

CEPC MEETING AGENDA

5:00 PM - 6:30 PM

10/09/2023

CHAIR:

Dr. Maureen Francis, MD, MACP, MS-HPed

VOTING MEMBERS:

Colby Genrich, MD; Fatima Gutierrez, MD; Houriya Ayoubieh, MD; Jessica Chacon, PhD, Munmun Chattopadhyay, PhD; Patricia Ortiz, MD; Khanjani Narges, MD, PhD; Dale Quest, PhD; Wajeeha Saeed, MD; Marwaha Komal, MD

EX-OFFICIO:

Lisa Beinhoff PhD; Martin Charmaine, MD; Tanis Hogg, PhD; Jose Lopez

STUDENT REPRESENTATIVES:

Lee Spencer MS1 (Voting); Soni Kritika (Ex Officio); Katherine Asmis MS2 (Voting); Joshua Salisbury MS2 (Ex Officio); Rowan Sankar MS3 (Voting); Nikolas Malize MS3 (Ex Officio); Whitney Shaffer MS4 (Voting); Rohan Rereddy MS4 (Ex Officio)

INVITED/GUESTS:

Richard Brower, MD, FAAN; Jose Manuel de la Rosa, MD; Thwe Htay, MD; Priya Harindranathan, PhD.; Neha Sehgal, MD

APPROVAL OF MINUTES

Minutes will be attached.

ANNOUNCEMENTS

Presenter(s):

CEPC 10/09/2023

ITEMS FROM STUDENT REPRESENTATIVES

Presenter(s): Students

ITEM I Annual Report for the Pre-Clerkship Phase

Presenter(s): Dr. Harindranathan

ITEM II Policy Updates

Presenter(s): Dr. Hogg

ITEM IV Clerkship Directors List Updates

Presenter(s): Dr. Francis

OPEN FORUM

ADJOURN

MEMBERS IN ATTENDANCE:

Maureen Francis, Colby Genrich, Dale Quest, Jose Lopez, Martin Charmaine, Wajeeha Saeed, Khanjani Narges, Marwaha Komal, Lisa Beinhoff, Tanis Hogg, Lee Spencer, Soni Kritika, Whitney Shaffer, Katherine Asmis

MEMBERS NOT IN ATTENDANCE:

Fatima Gutierrez, Houriya Ayoubieh, Jessica Chacon, Patricia Ortiz

PRESENTERS/GUESTS IN ATTENDANCE:

Thwe Htay, Priya Harindranathan

INVITED/GUESTS NOT IN ATTENDANCE:

Richard Brower, Jose Manuel de la Rosa

REVIEW AND APPROVAL OF MINUTES

Dr. Francis CEPC Chair

- Having met quorum, the meeting minutes from the September 11, 2023 meeting were voted on and approved as presented.

Decision:

Dr. Quest moves the motion for approval.
Katherine Asmis seconds the motion.
No objections: Motion was approved.

ITEMS FROM STUDENT REPRESENTATIVES

- MS1** ○ New MS1 student representatives' introduction.
MS1/MS2/MS3/MS4 ○ No concerns to report.

**Katherine Asmis
(MS2)**

- Asked about the Y2Q survey. Dr. Francis announced that the OME will kick off this event on October 17 with the ice cream. She asked Katherine to remind her fellow students to join, and they will receive the mug if they had completed the survey. In addition, they could enter the drawing to win a blanket or a backpack.

ITEM I Annual Report for the Pre-Clerkship Phase

**Presenter(s): Dr.
Harindranathan**

Presented 2022-2023 Annual Report: Pre-Clerkship Synopsis

*Please see attached report.

- The following outcomes tracked in Pre-clerkship phase as per Annual Evaluation Reporting Policy: CEYE; CBSE; STEP1; Summative Exams; Remediation Rates; Course Evaluations; Year 2 Questionnaire.
- Customized End of Year Examination (CEYE) was put together by the faculty for the first year students. The passing score of 65 was consistent with previous years.
- Comprehensive Basic Science Exam (CBSE) – the target score was 63 and performance was comparable with previous class of 2024.
- Step 1 Performance Trends Relative to the National Group – the results are promising especially after the pandemic effect for the class of 2025. The pass rate of 96 was higher than the national of 93 for calendar 2022.
- Exam summative average scores for both year 1 and 2 – Students had to pass both NBME and in-house exams which led to slight dissatisfaction among students. Dr. Hogg commented that scores between the NBME and in-house were close and standard deviation was less than 1 and half percentage point difference. Performance in-house exams traditionally has been highly predictive, so there was a nice correlation between contents, he concluded. Dr. Francis added that it is important to address the method of assessment for all years presented on the slide (slide 9).
- Dr. Harindranathan presented the number of students who failed per unit for both years (slide 11), along with the remediation rates (slides 12 and 13). She noted that CVR unit had the highest numbers of failed students.
- Remediation rates for OSCE were also included for both years. The data for the SCI was pending.
- Dr. Harindranathan highlighted that all students have successfully achieved the learning objectives in the Colloquium course based on the methods used for assessment.
- Then she presented in-house evaluation data (starting with slide 16). She explained that data was analyzed through thematic analysis of the open ended qualitative questions of evaluations. Dr. Francis explained that

results were grouped here similarly to the other types of satisfaction surveys and the goal is to be in the top box that includes strongly agree and agree responses. Dr. Hogg highlighted the summary of students' feedback for SPM on slide 16. In regards to the quality of the in-house materials, he noted that faculty is currently working on improvement of the asynchronous materials such as videos, augments, etc.

- Dr. Harindranathan noted that students have asked for more consistency in grading in OSCE in MedSkills course, as well for more time for feedback.
- Summary of the evaluations for SCI, Spanish and Colloquium was also presented (slide 18). She noted that the Colloquium had over 90 percent of satisfaction across all the colleges.
- Dr. Harindranathan showed an example of the pre-clerkship faculty evaluations dashboard for MS1 including period between January 1st and May 31st, 2023. She explained that the dashboard is managed by the OME. Faculty have an opportunity to get feedback in a timely fashion. Also, the dashboard includes a self-assessments, and the feedback from supervisors. Dr. Francis noted that learning environment questions will be added to in-house evaluations with a goal to improve any areas that were indicated in Y2Q survey. She asked the CEPC members to start thinking about items that would require an improvement because the key role of this committee is to rectify any issues within the program. Dr. Harindranathan added that the new view of the dashboard will allow faculty to see how they are performing within various areas.
- Then she presented improvements that were suggested by MS3 students about pre-clerkship phase (slide 20). Dr. Hogg noted that issues with the note writing have been appearing as a common theme, and this issue has to be addressed among the faculty. Dr. Francis pointed out that pharmacology and anatomy would need an action plan because these areas were not rated as high as they should be in-house nor in the AAMC surveys. Dr. Francis suggested that focus group formed outside of the pre-clerkship should unpack the issues and address it in a multifaceted way. Dr. Thwe agreed that there should be a focused group for pharmacology. She added that note writing in pre-clerkship is practiced almost every week, but there are still some issues in clerkship phase where the format is different. Dr. Thwe concluded that this issue requires closer investigation from all parties.
- Dr. Harindranathan then moved to the last section of the presentation, the Y2Q data. She pointed out that 83 percent of student were satisfied with the quality of education on national, and 53 percent on school's level. 62 percent of students were aware about the mistreatment policy, while on the national level this score was much higher, 93 percent. In addition, our school rated lower in comparison with the national percentage about the awareness of procedures for reporting mistreatment. She explained a similar question



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from TTUHSC internal satisfaction survey had 66 percent students who reported that they knew how to report mistreatment. This was an aggregated data generated for all 4 years while Y2Q focuses only on Year 1 and 2.

-
- She pointed out that the graphs about the learning environment showed improvement. On the other hand, question about students' isolation requires improvement (slide 24). Dr. Hogg mentioned that there were lots of post - pandemic issues between students, students' body and students, and faculty and students but efforts were made in that regard.
- Dr. Francis added that the Office of Student Affairs reached out to students via email to remind them about the process for reporting and the mistreatment policy itself. Dr. Martin added that she received some responses, and added that this concept was explained during the orientations as well.
- Dr. Francis added that dissatisfaction in class should be monitored closely and addressed in real time.
- Dr. Harindranathan presented data related to professionalism of faculty (slides 26, 27, and 28). Dr. Hogg pointed out that the goal is to improve the tension and discord between students and faculty that was indicated in the past two years. He added that many issues were resolved within the study body and within the administration, as well as some turnover in student affairs and medical education departments, and the miscommunication between these two offices was improved.
- Dr. Harindranathan talked about student satisfaction with various services across the university. She pointed out that satisfaction with the mental health services was improved. Dr. Francis noted that there is a fair deviation in students' burnout from the national average. In addition, she stated that experiences related to negative behaviors need some improvement as well. Dr. Martin asked if these questions could be added to internal surveys. Dr. Francis confirmed that the goal is to add these to the end of the semester in-house questionnaires. Dr. Martin added that Title IX coordinator from Lubbock reached out to entire student population via email. Dr. Hogg acknowledged that students need to be encouraged to report any of these behaviors. Dr. Martin explained that there is a zero tolerance for retaliation against a student or anyone who submit the report in good faith. Students can report mistreatment anonymously, or they can talk to their college mentor, a trusted course director, or anyone in the office of student affairs or medical education, she concluded. Dr. Francis noted that sometimes students feel more comfortable with coordinators. Dr. Martin confirmed that this can be another avenue for reporting. She also stressed out that faculty and staff members are required to report potential incidents indicated in the Title IX.

- Dr. Francis concluded that all data shared during the CEPC meetings are available to faculty and members for thorough review. She pointed out that goal of these meetings is for administration along with the faculty and students to identify any plans for improvement. She asked the group to let us know if any areas were not tackled, so we could bring them back for discussion. Dr. Hogg agreed that the group should review individually, and collectively, and share thoughts and recommendations. Dr. Francis asked the members to vote to accept this report.

Dr. Chattopadhyay moves the motion for approval.

Dr. Khanjani seconds the motion.

No objections: Motion was approved.

ITEM II Policy Updates

Presenter(s): Dr. Hogg

Presented the Review of Formative Feedback Policy

- Summarized the key elements of the policy and proposed revisions. Discussion was held about the *Monitoring* section of the policy. It was decided that both policies, including Narrative Assessment policy, would require another round of revisions. Policy will be discussed during November's meeting.

ITEM IV Clerkship Directors List Updates

- Neurosciences ICU (NSICU) – Dr. Cruz Flores, new Course Director, will replace Dr. Vellipuram
- IM Sub I – Dr Abhinov Vulisha, new Course Director
- Peds Sub I – Dr Natalia Sidhu; Dr Sidhu will also be added as an additional Assistant Clerkship Director for 3rd year Pediatric clerkship
- Surgery Clerkship – Dr Roger Skiles and Dr Shintaro Chiba will be interim Course Directors. Dr Tyroch is leading a search and interviewing for a new clerkship director
- OB Clerkship Director – Dr Katelyn Welshans, new Course Director

Decision:

Dr. Genrich moves the motion for approval.

Dr. Chattopadhyay seconds the motion.



No objections: Motion was approved.

OPEN FORUM

ADJOURN

Meeting adjourned at 6:30pm.



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2022-2023 Annual Report: Pre-clerkship Synopsis for CEPC

Office of Medical Education
Paul L. Foster School of Medicine
Texas Tech University of Health Sciences El Paso, Texas

Harindranathan, Priya
10/9/2023 2:42 PM



TTUHSC EL PASO
Texas Tech University Health Sciences Center El Paso
FOSTER SCHOOL OF MEDICINE



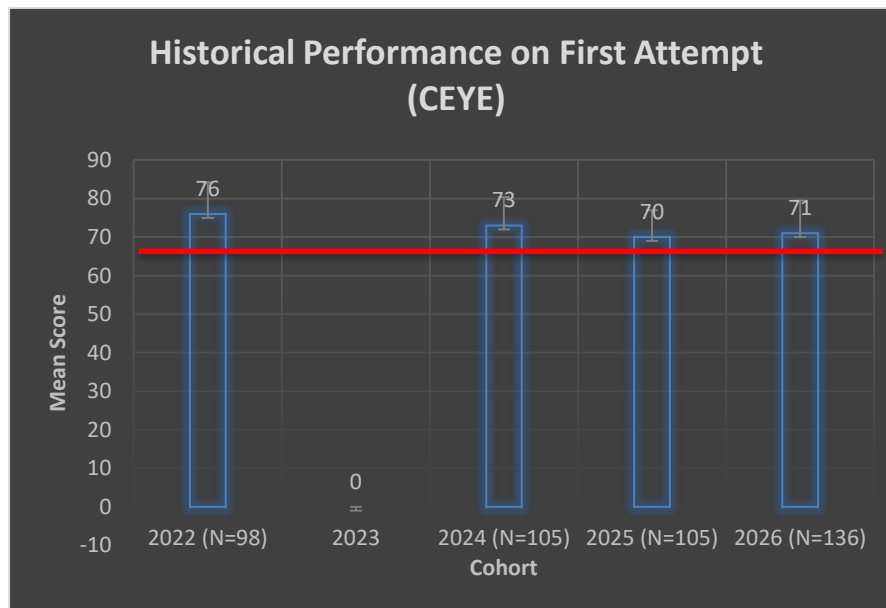
Outline

Outcomes tracked in Pre-clerkship phase
as per Annual Evaluation Reporting Policy

https://elpaso.ttuhsu.edu/som/ome/CEPC/_documents/Med%20Ed%20Annual%20Evaluation%20Reporting%20Policy%20v22AUG2016.pdf

- CEYE
- CBSE
- STEP 1
- Summative Exams
- Remediation Rates
- Course Evaluations
- Year 2 Questionnaire

Customized End of Year Exam (CEYE)



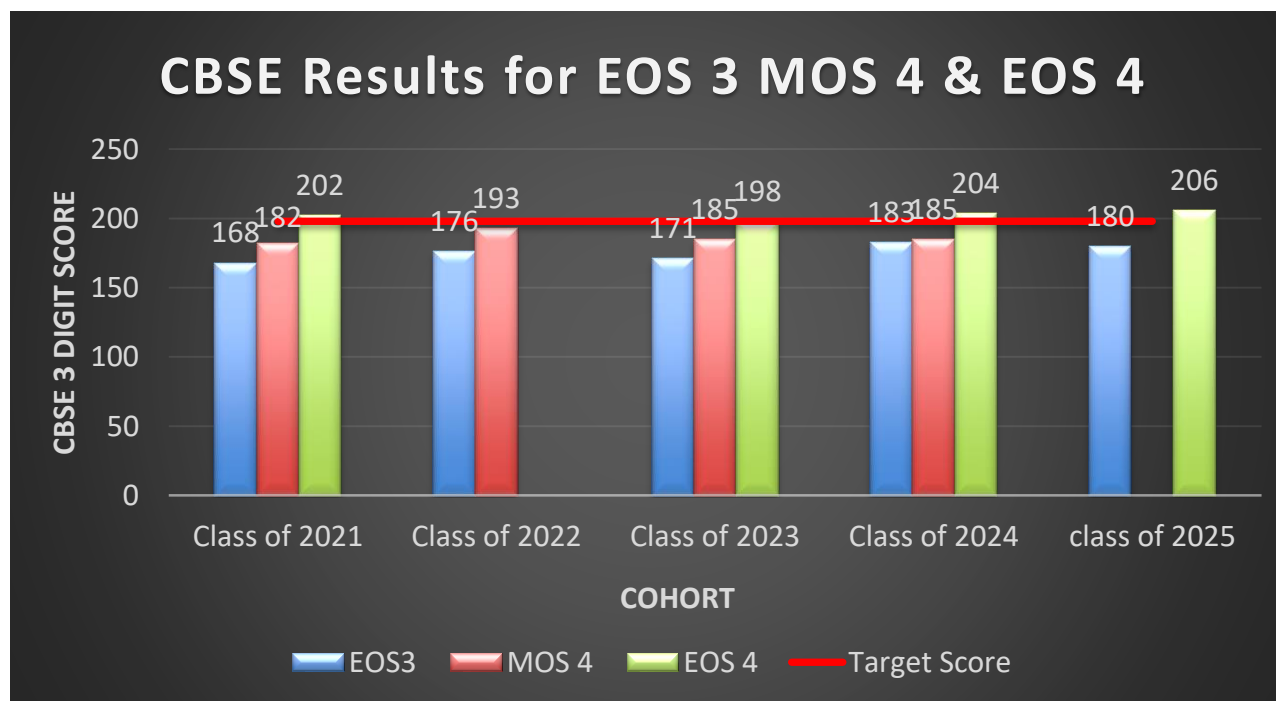
Target Score is 65

CEYE Remediation

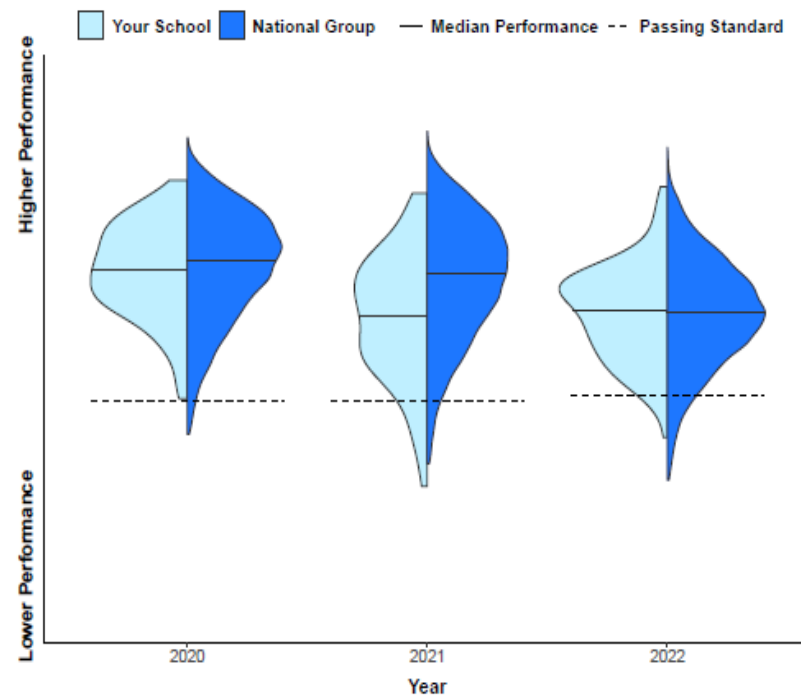
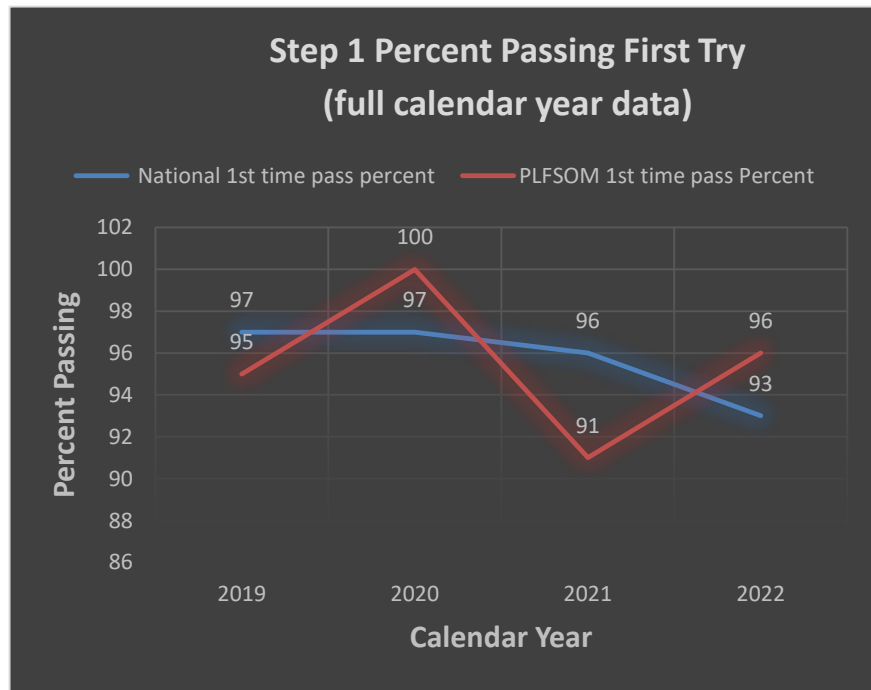
AY	Class Size	# students that failed CEYE	# students that remediated	# students that failed remediation
2018-2019	113	8	7	1
2019-2020	116	NA (cancelled)		
2020-2021	115	7	5	1
2021-2022			19	2 (5 did not take remediation possible withdraw/repeat)
	124	26		
2022-2023	137	16	15	1

Comprehensive Basic Science Exam (CBSE)

Target Score is 63; 3-digit score equivalent: 198

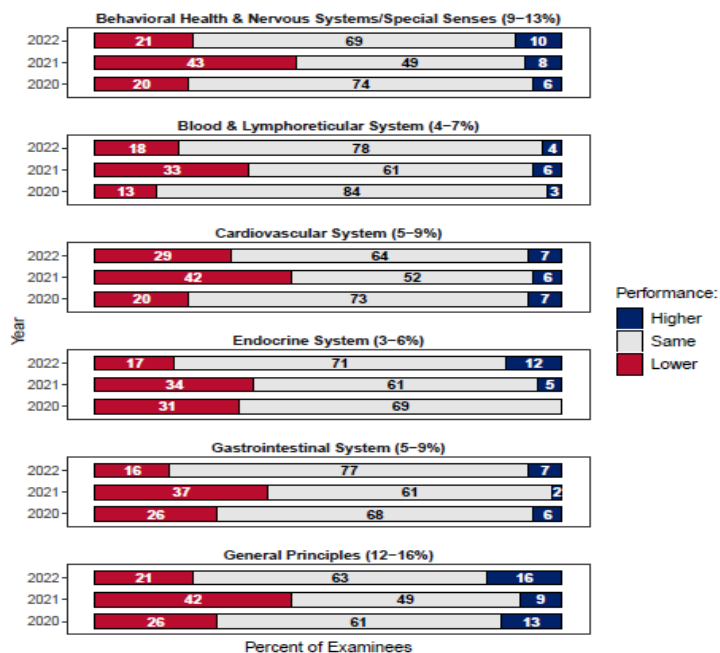


Step 1 Performance Trends Relative to the National Group (2020 to 2022)

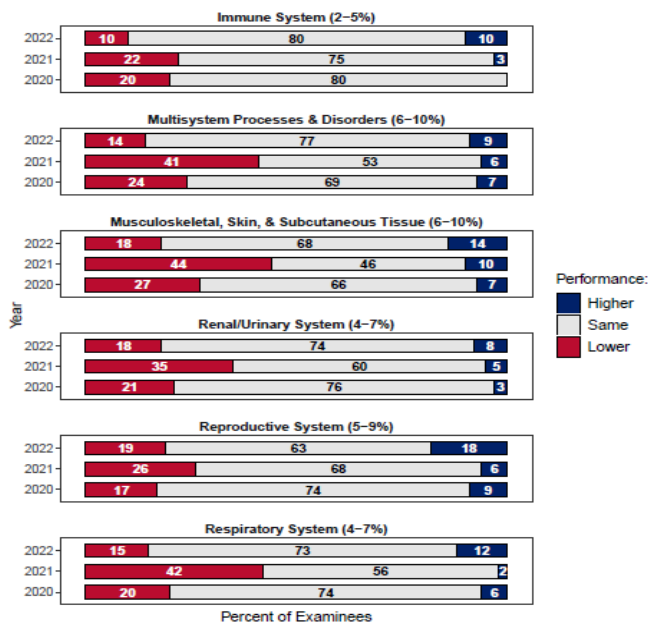


Step 1: Performance on System Categories Relative to National Average (2020-2022)

Performance on System Categories Relative to National Average



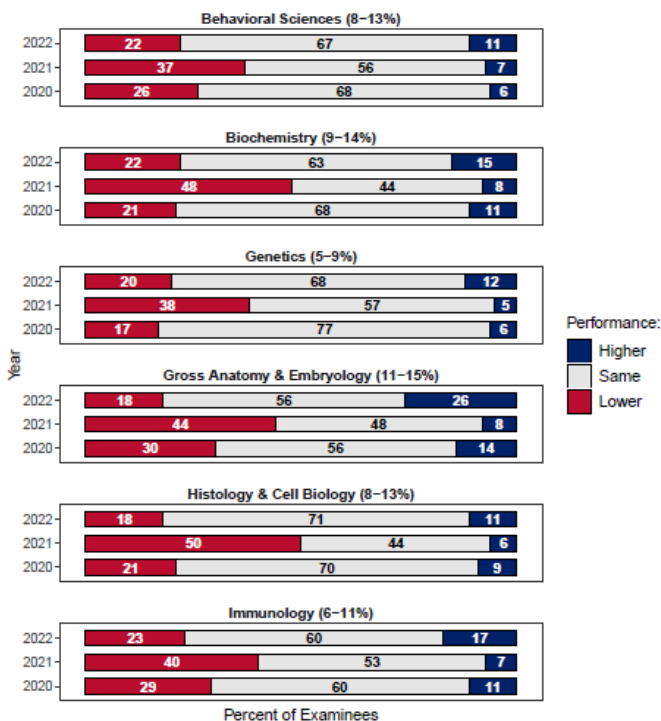
Performance on System Categories Continued



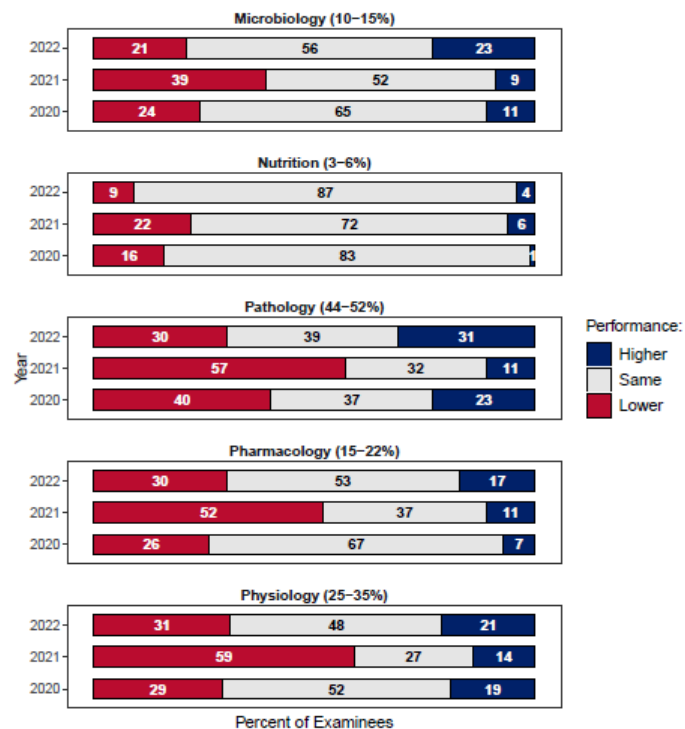


Step 1: Performance on System Categories

Performance on Discipline Categories Relative to National Average

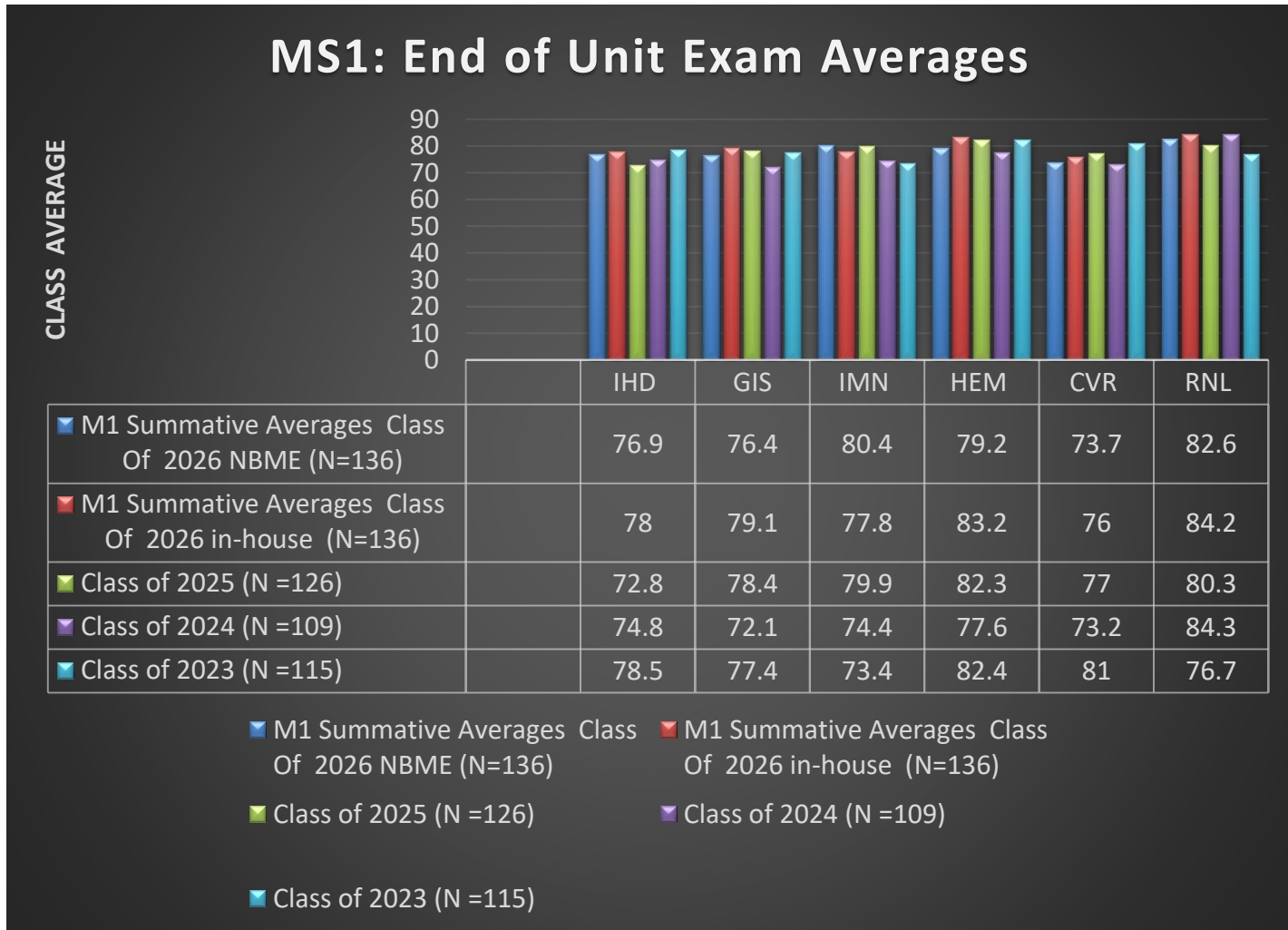


Performance on Discipline Categories Continued





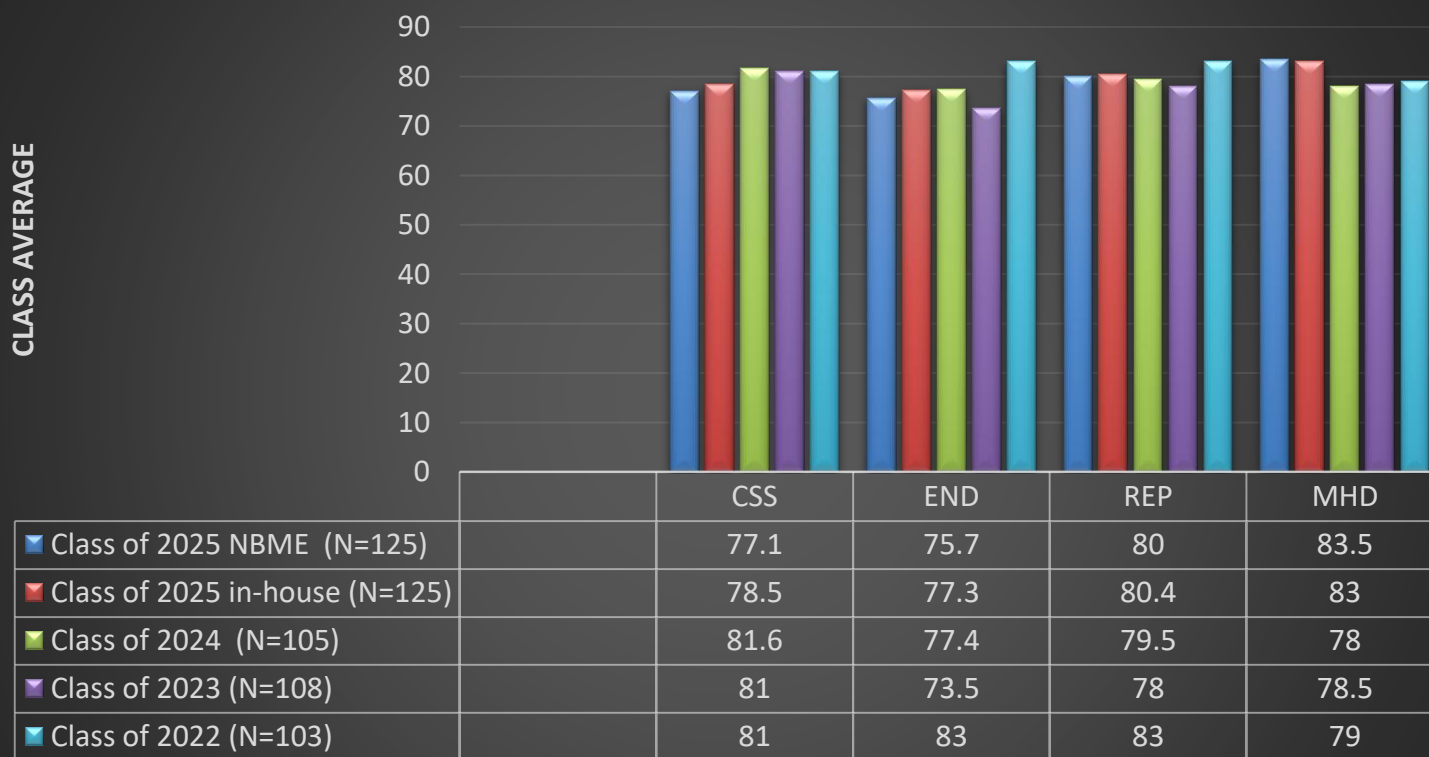
Exam Average Scores: MS1





Exam Average Scores: MS2

MS2: End of Unit Exam Averages



■ Class of 2025 NBME (N=125) ■ Class of 2025 in-house (N=125) ■ Class of 2024 (N=105)
■ Class of 2023 (N=108) ■ Class of 2022 (N=103)

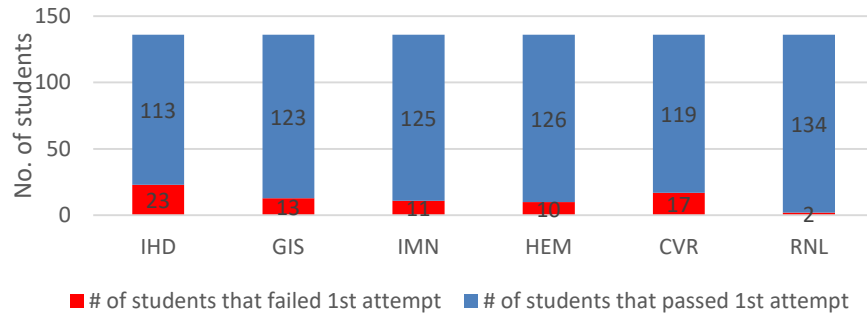
Number of fails per Unit: MS1 & MS2

UNITS	# of fails for NBME	# of fails for in-house
IHD	14	18
GIS	10	9
IMN	5	9
HEM	9	3
CVR	16	11
RNL	2	1
CSS	10	6
END	8	4
REP	2	2
MHD	0	1

Remediation Rates: MS1

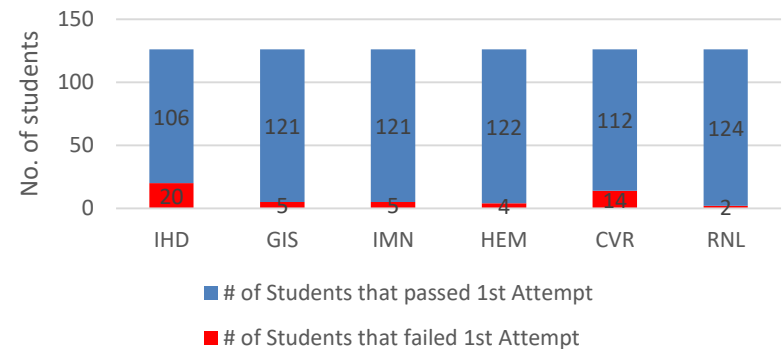
Class of 2026 (N=136)

Successful Remediations IHD: 12; GIS: 3, IMN: 4; HEM: 5; CVR:12 RNL: 1



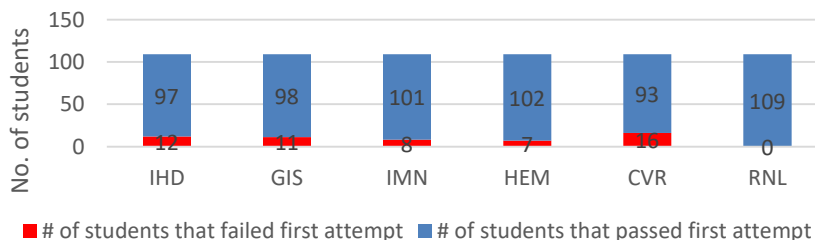
Class of 2025 (N=126)

Successful Remediations IHD: 10; GIS: 0; IMN: 0; HEM: 1; CVR:6; RNL: 2



Class of 2024 (N=109)

Successful Remediations IHD: 8; GIS: 5 IMN: 0; HEM: 4 CVR:13 RNL: 0

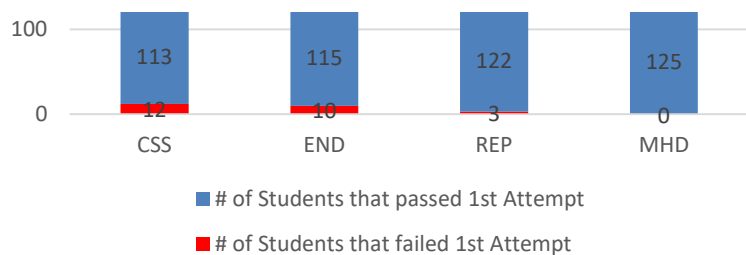




Remediation Rates: MS2

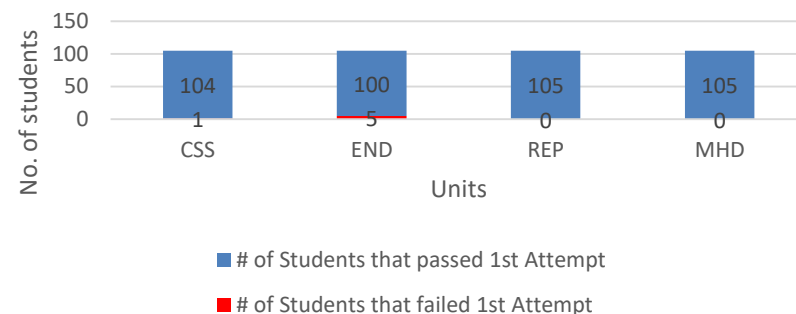
Class of 2025 (N=125)

All failed students remediated successfully



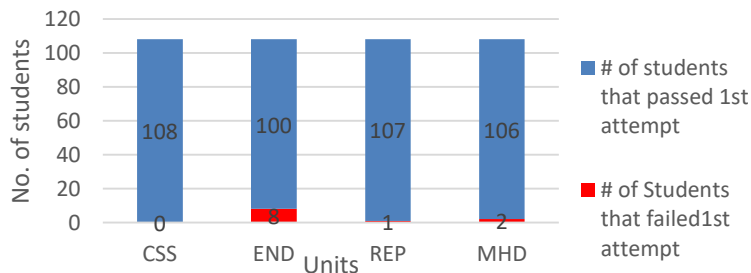
Class of 2024 (N=105)

All failed students remediated successfully



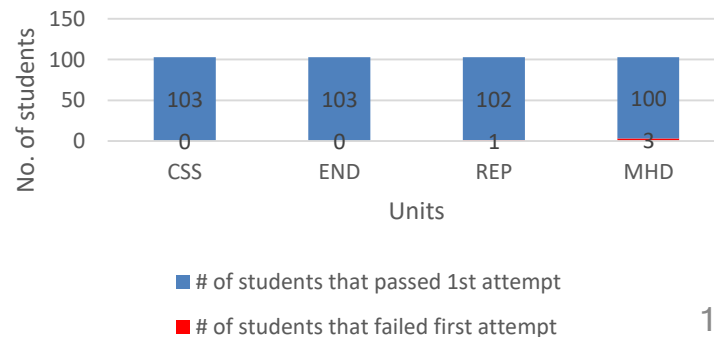
Class of 2023 (N=108)

All failed students remediated successfully



Class of 2022 (N=103)

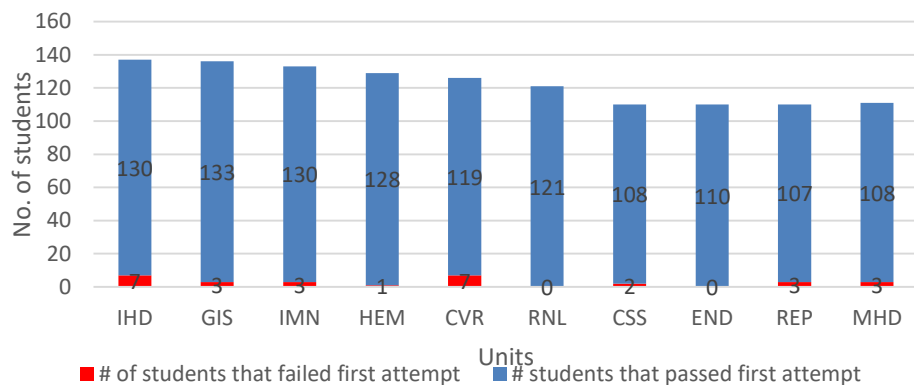
All failed students remediated successfully



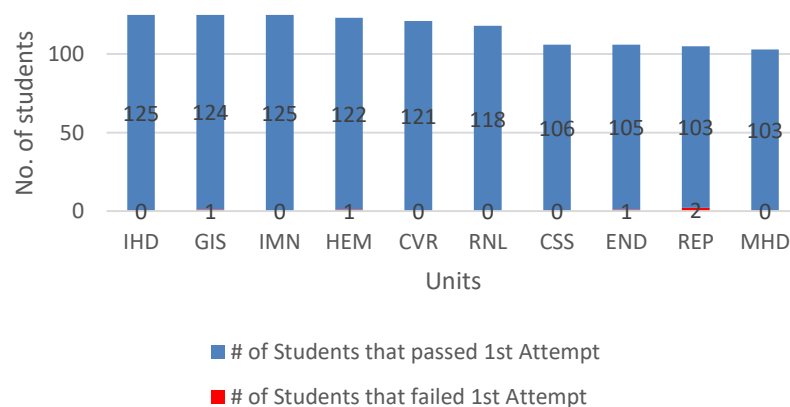


Remediation Rates: OSCE

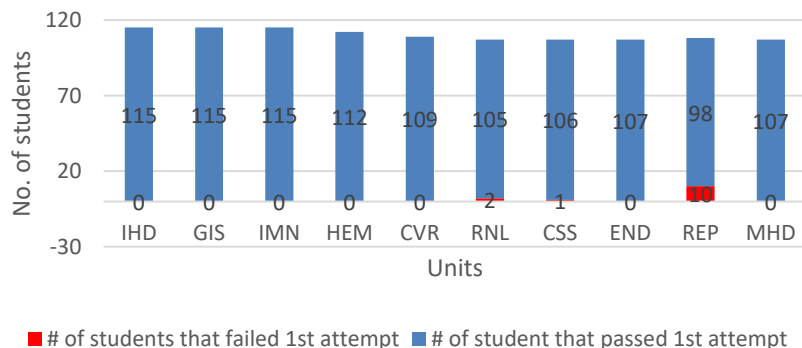
OSCE Remediation Rates AY 2022-2023
MS1 and MS2



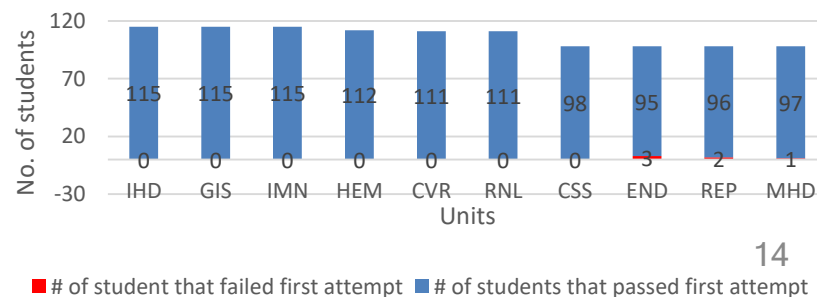
OSCE Remediation Rates AY 2021-2022
MS1 and MS2



OSCE Remediation Rates AY 2020-2021
MS1 and MS2



OSCE Remediation Rates AY 2019-2020
MS1 and MS2

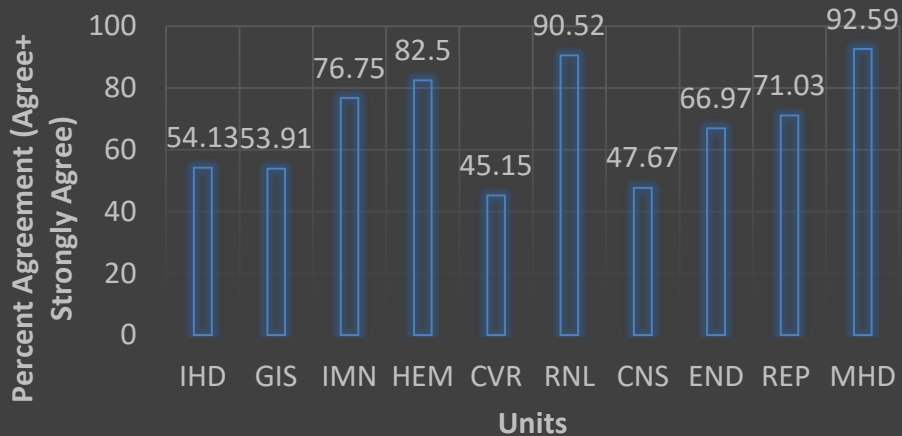


Remediation Rates: Colloquium

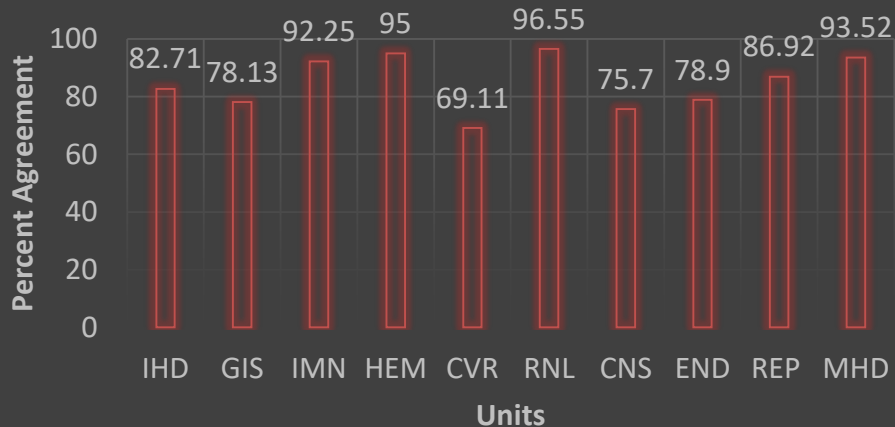
- The grading for all four semesters for the College Colloquium (CC) course is pass/fail. Grades are assigned by the College Mentors, based upon satisfactory completion of written assignments, participation, and overall professionalism evaluation in Colloquium. All students have successfully achieved the learning objectives for the course based on the methods used for assessment and a course fail that requires remediation has not occurred.
- There are 2-3 in-class reflective writing exercises and/or ethical analysis exercises per semester. There is an out-of-class summary reflection essay assignment at the end of the second semester for each year.

Evaluations: SPM

SPM: Overall Satisfaction



SPM: Overall Satisfaction

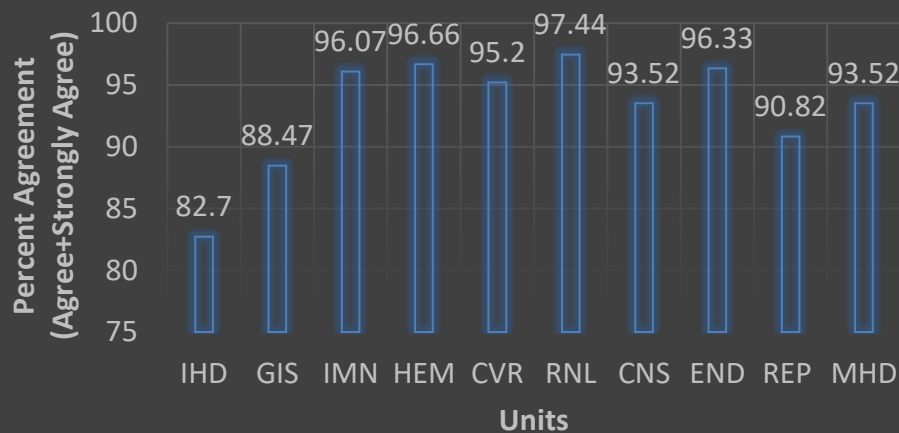


- **In-house exams and grading:** Dissatisfaction over the quality of in-house exams. In house exams were proposed to help with new topics on NBME but question bank is not updated. In house and NBME exams required two different preparation and separate pass scores. Relying on in house exams alone is not viewed as sufficient for NBME exam prep and hence students rely on 3rd party resources. Request for more practice questions and materials presented to be representative of in house exams, also aligned to help prepare for NBMEs. Requests for averaging the scores on summatives, bringing back irat/t trat or do away with in house and continue with just NBME in this regard.
- **Quality of in-house materials:** request for in-person classes for difficult topics e.g., biochem, cardio unit. Asynchronous materials outdated when compared to current lectures. Suggestions to improve the quality of materials provided such as ppts with easy to navigate less dense materials, aligned to lectures, linked to objectives etc. to aid easier review and assimilation by students.
- **WCE format:** Students are split in groups without enough opportunity to discuss in teams. In the current format, the lead faculty lectures with limited contributions from invited guests.
- Request to be graded in TBLs after students have a more understanding/learning (to delay the TBLs). Exam scheduling conflict between SPM, SCI.

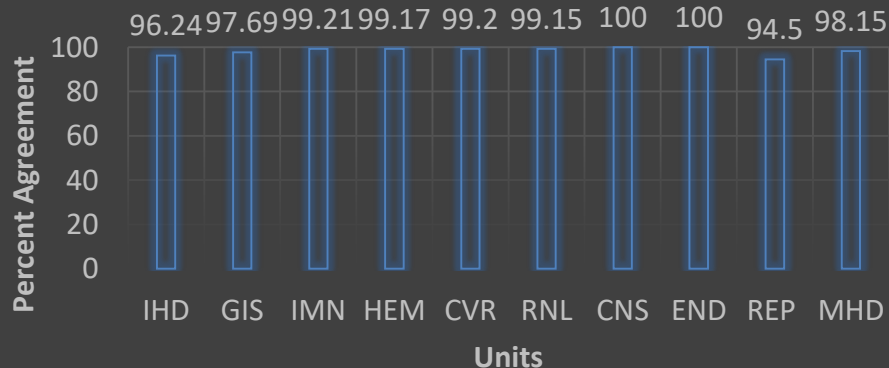


Evaluations: MedSkills

MSK: Overall Satisfaction



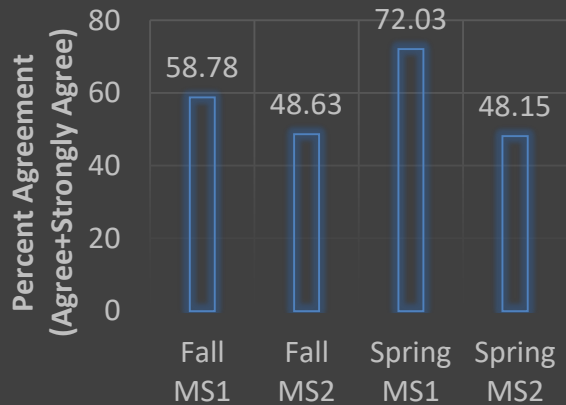
MSK: Overall Satisfaction



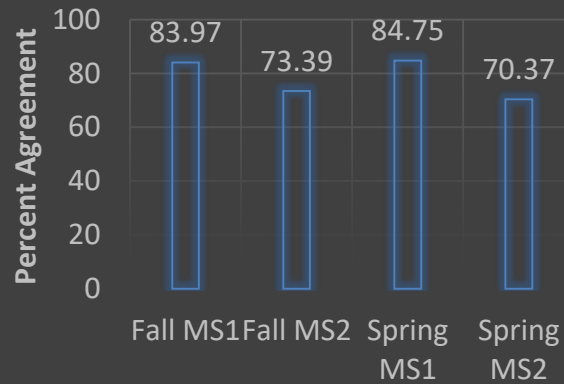
More consistency
in grading in OSCE, more
time for feedback, SP
interaction, skill practice and
SOAP note practice

Evaluations: SCI, Spanish, & Colloquium

SCI: Overall Satisfaction



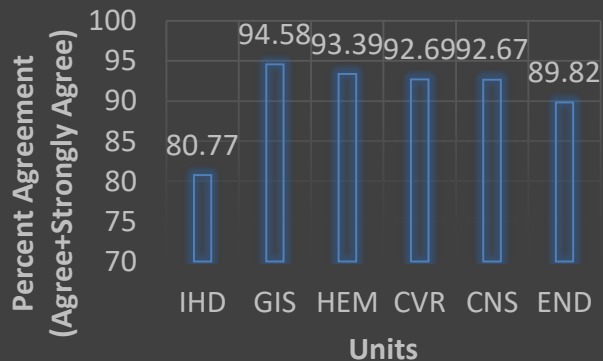
SCI: Overall Satisfaction



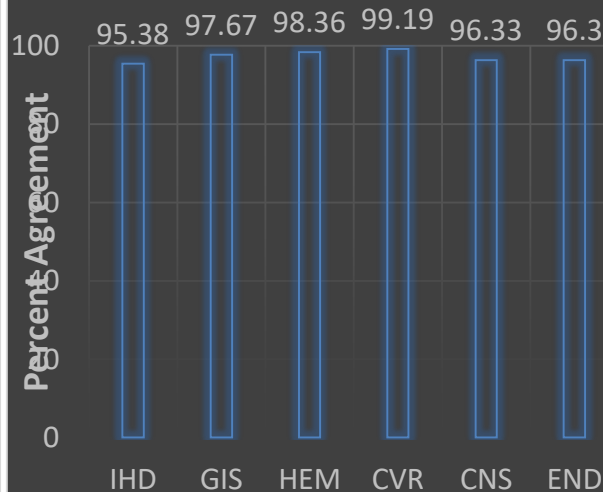
SCI

- Timing of exams and assignments coincide with other exams/assignments, proofread exams, convey deadlines early on
- More organization in preceptorship scheduling
- Biostats: requests to narrow the scope

Spanish: Overall Satisfaction



Spanish: Overall Satisfaction



Spanish

- Longer, more frequent practice

Colloquium

- Exams/Assignments: Scheduling issues with SPM
- Busy work in assignments
- More opportunities for discussion

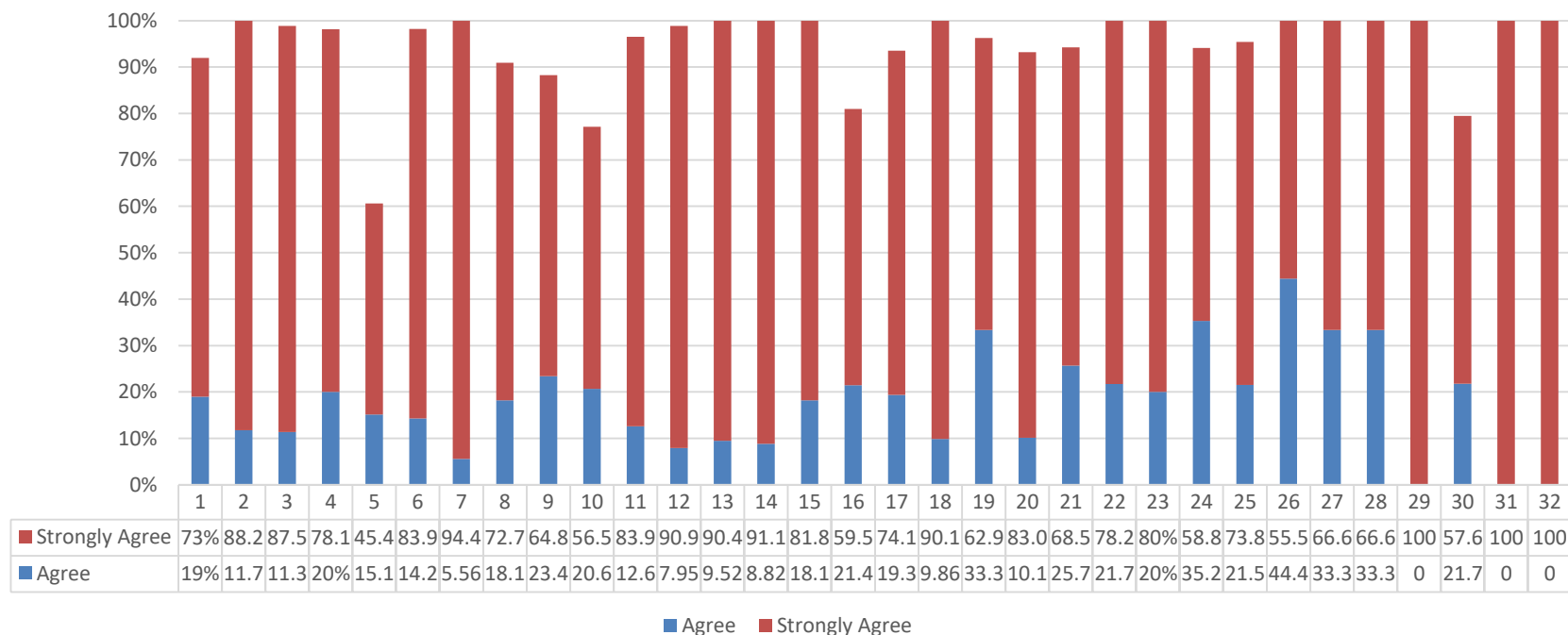
Evaluations: Pre-clerkship Faculty

An Example View for

Course: **MS1**

Jan 1st, 2023 to May 31st, 2023

Faculty treats students with respect



Suggested Improvements to Pre-clerkship Curriculum: Feedback from MS3 Students

- **IM:** note writing practice similar to real clinic, assessment, treatment plan, better pharmacology
- **FM:** note writing, more on vaccination and preventive medicine, pharmacology
- **Psych:** note writing
- **Obgyn:** L&D simulation, practice Obgyn history taking
- **Peds:** more pediatric specific case encounters, vaccine schedules
- **Surgery:** more anatomy preparation, clinical knowledge, simulation labs, suturing, more exposure to surgical procedures



Year 2 Questionnaire (Y2Q) data: Quality of Medical Education

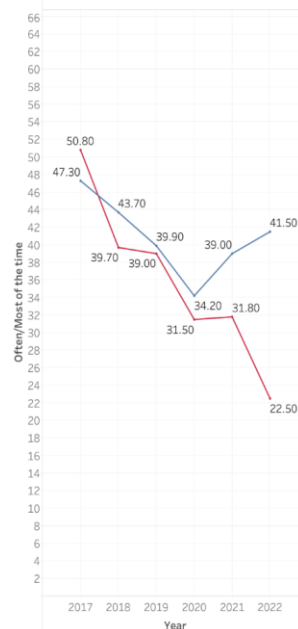
Q6. Please indicate the extent to which you agree with the following statement:

Overall, I am satisfied with the quality of my medical education



Q7. Please describe how often you attend:

In-person pre-clerkship courses/lectures at YOUR medical school



Virtual pre-clerkship courses/lectures (e.g., podcast or video) at YOUR medical school



Q8. Please describe how often you utilize the following online resources:

Online medical education courses/lectures from OTHER medical schools

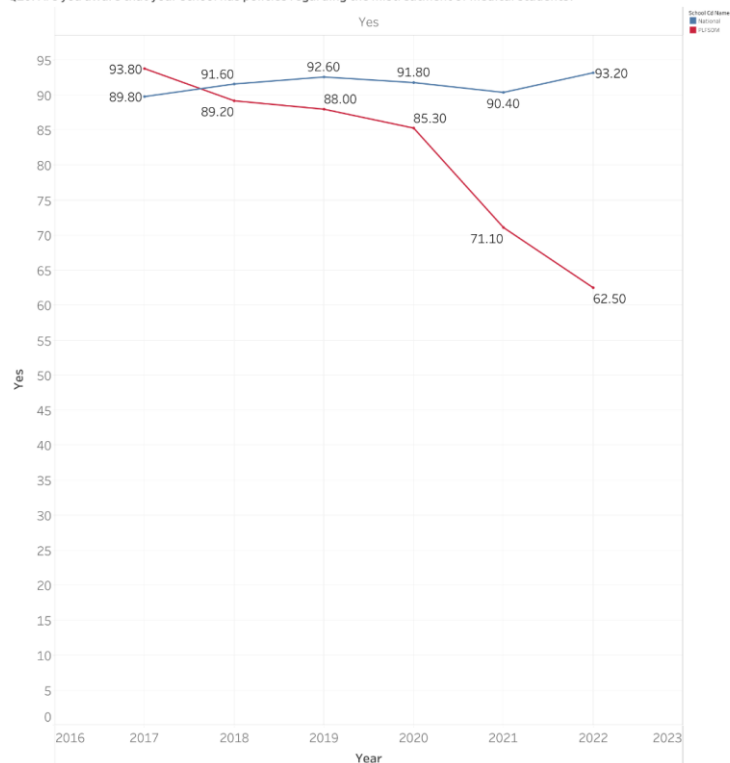
Online videos for medical education information (e.g., YouTube)

Other online content for medical education information (e.g., Wikipedia)



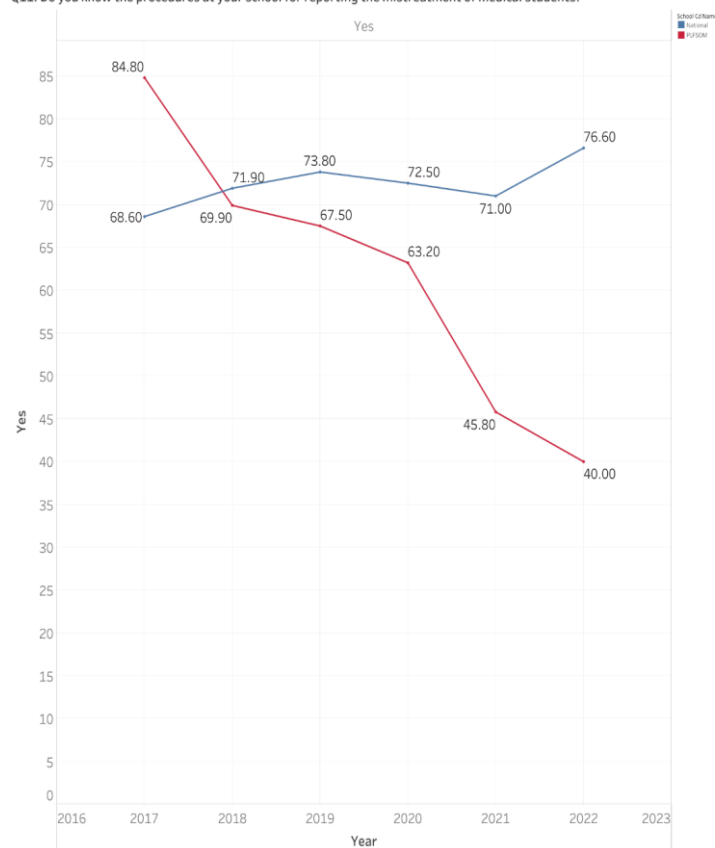
Y2Q: Awareness of Mistreatment Policy

Q10. Are you aware that your school has policies regarding the mistreatment of medical students?



2023 TTUHSC El Paso Internal Satisfaction Survey: I know where to go to file a complaint against another TTUHSC El Paso student or employee (faculty and staff).
66.6% in agreement

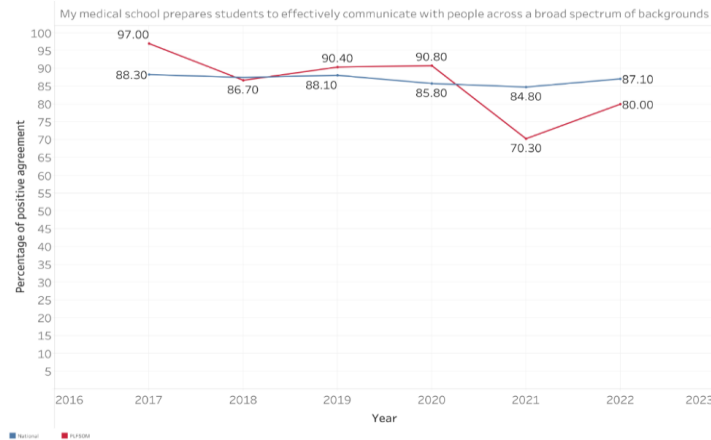
Q11. Do you know the procedures at your school for reporting the mistreatment of medical students?



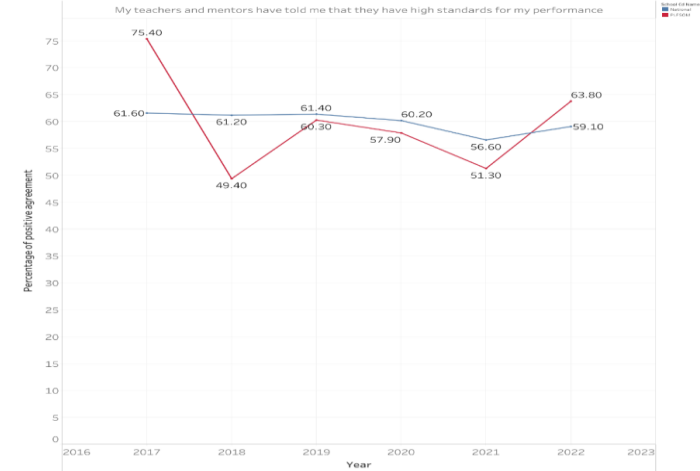


Y2Q: Learning Environment

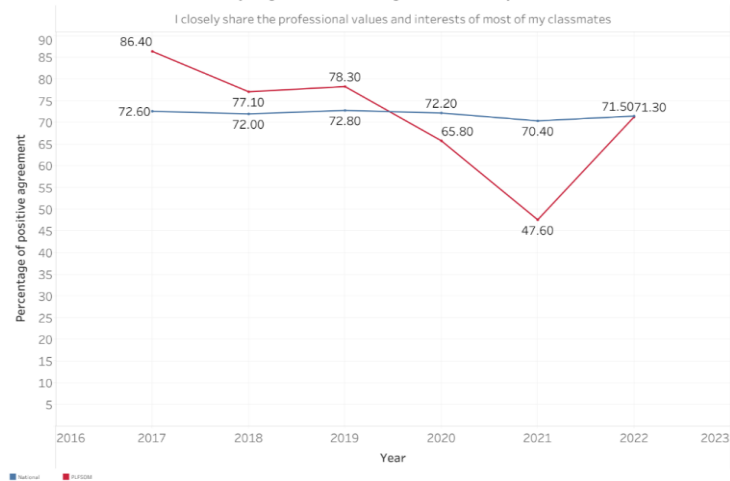
Q12. Please indicate the extent to which you agree with the following statements about your medical school:



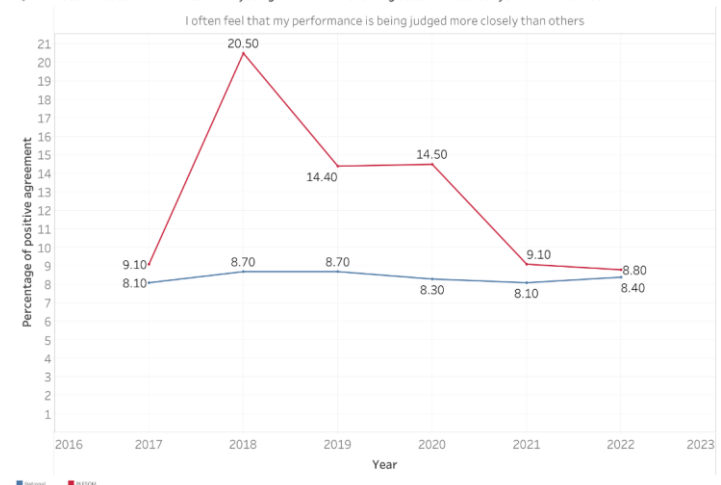
Q12. Please indicate the extent to which you agree with the following statements about your medical school:



Q12. Please indicate the extent to which you agree with the following statements about your medical school:



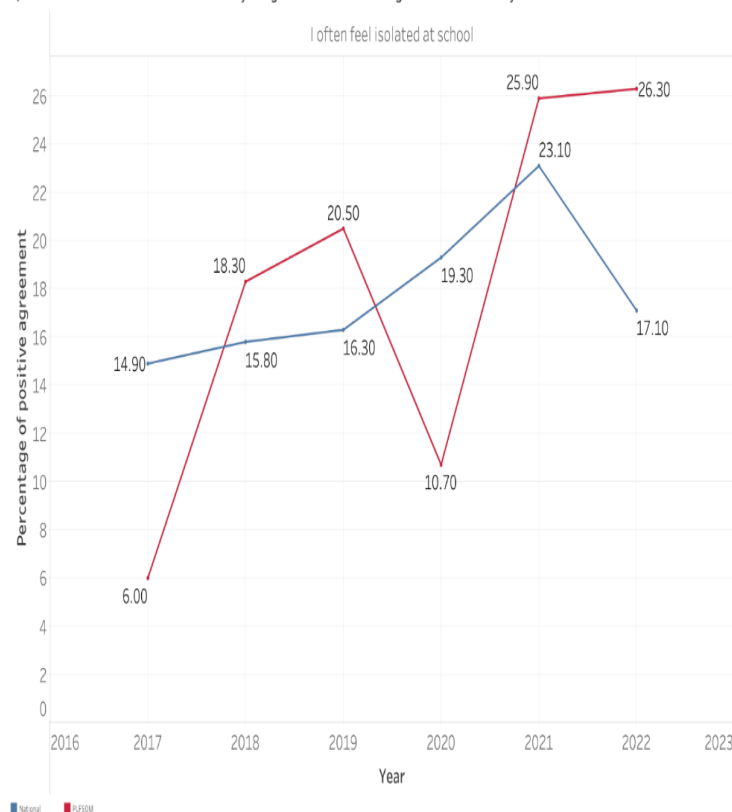
Q12. Please indicate the extent to which you agree with the following statements about your medical school:



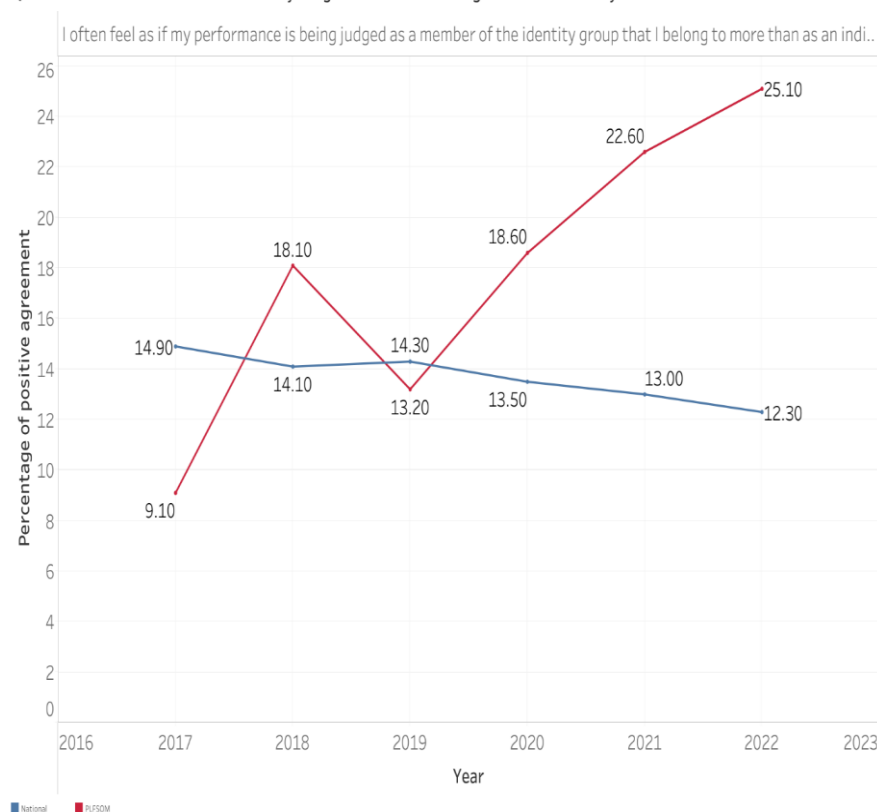


Y2Q: Learning Environment

Q12. Please indicate the extent to which you agree with the following statements about your medical school:



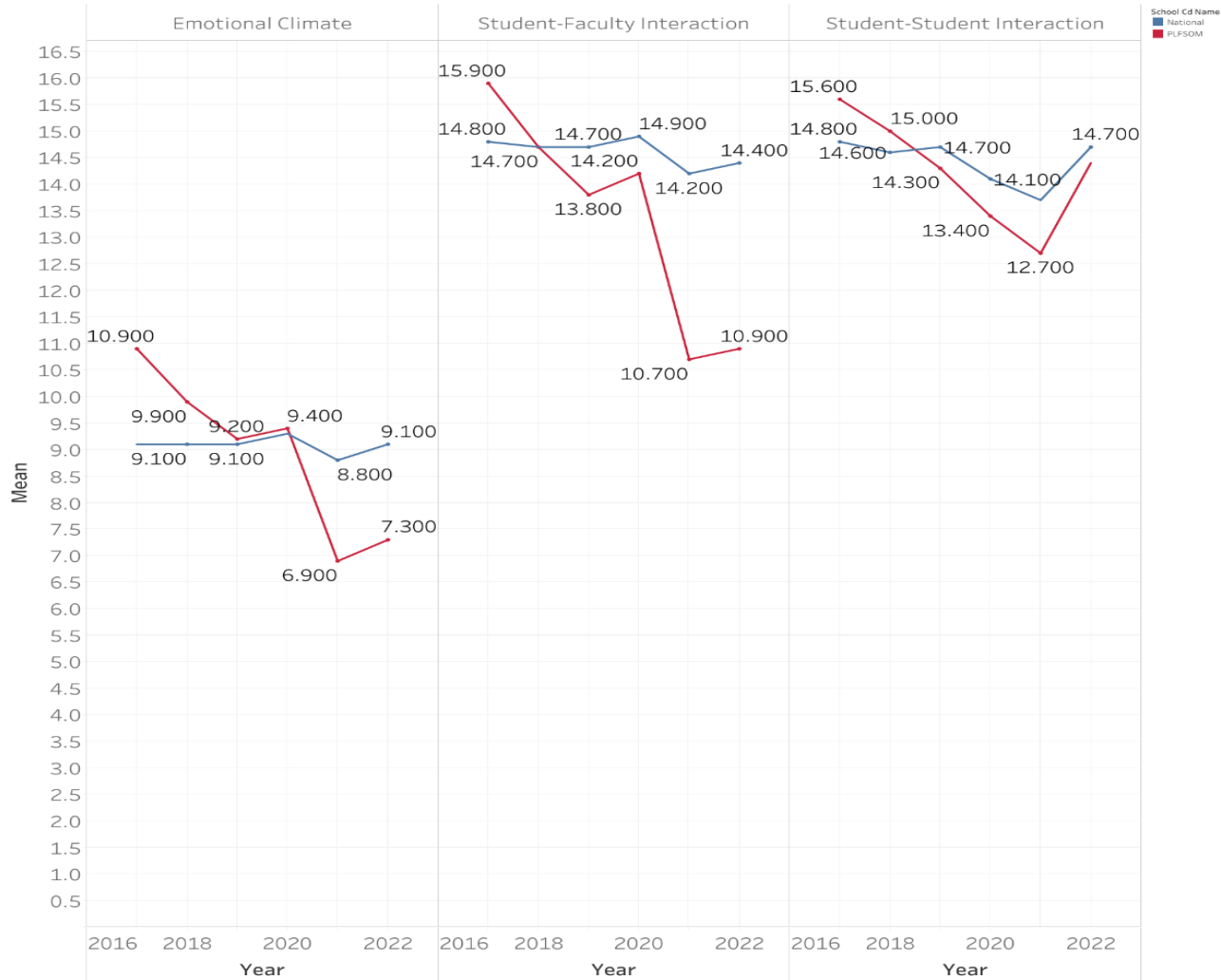
Q12. Please indicate the extent to which you agree with the following statements about your medical school:





Y2Q: Learning Environment

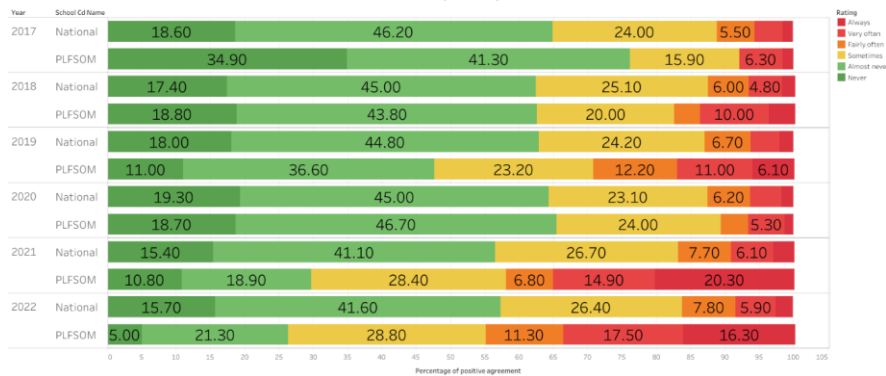
Q13. Learning Environment



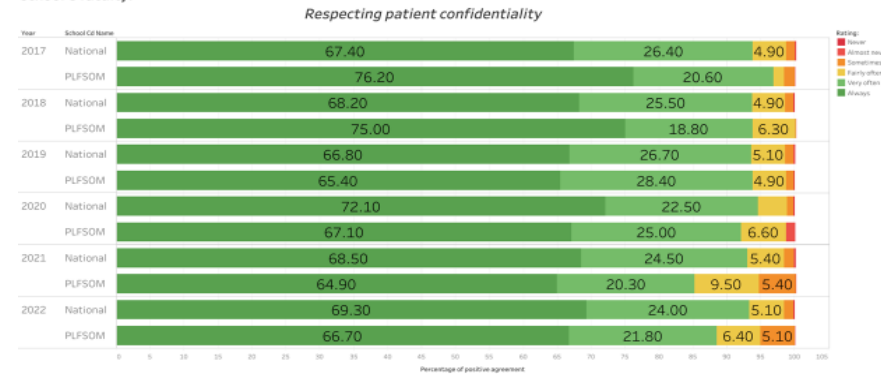
Professionalism of Faculty

Q14. Think about how often you experience the following at your medical school:

There are disconnects between what I am taught about professional behaviors/attitudes and what I see being demonstrated by faculty

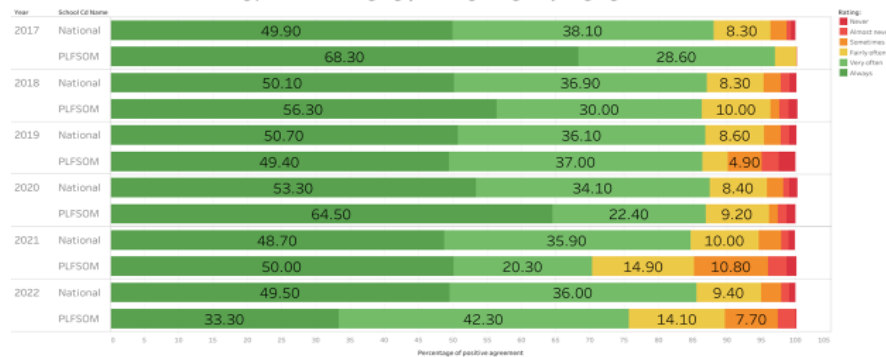


Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:



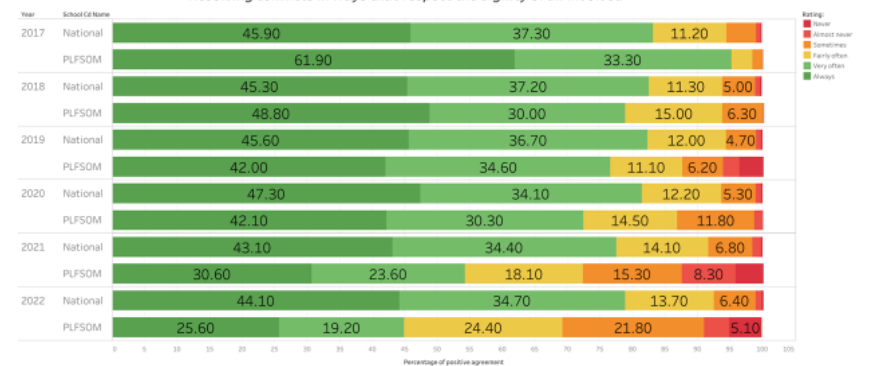
Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Using professional language/avoiding derogatory language



Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Resolving conflicts in ways that respect the dignity of all involved

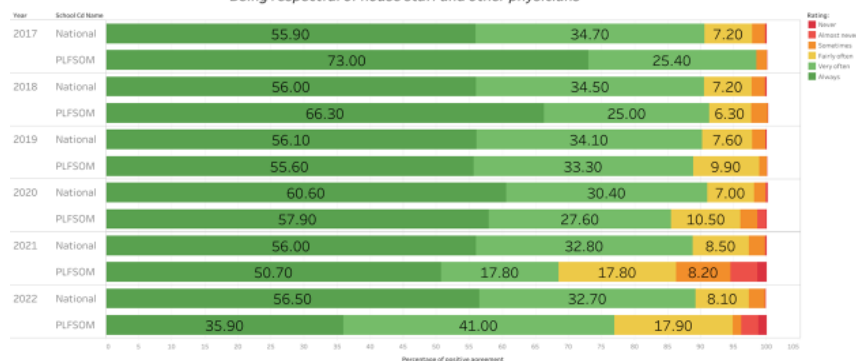




Y2Q: Professionalism of Faculty

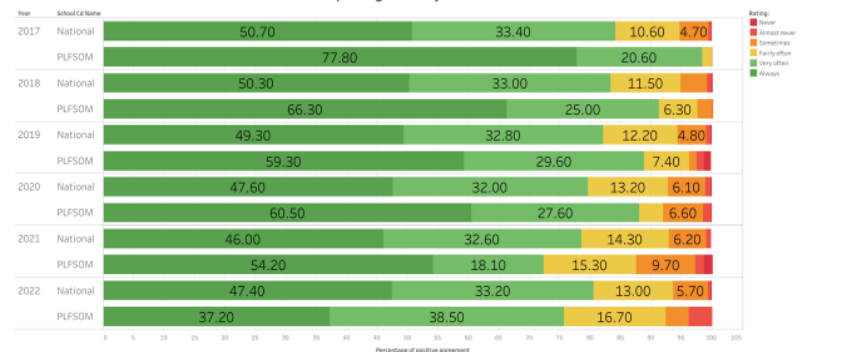
Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Being respectful of house staff and other physicians



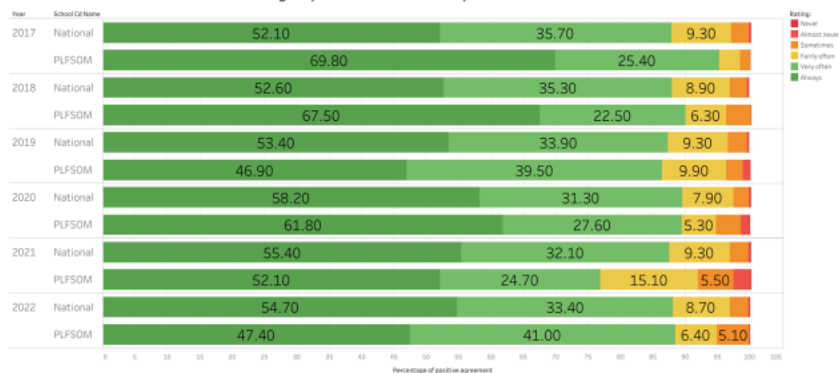
Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Respecting diversity



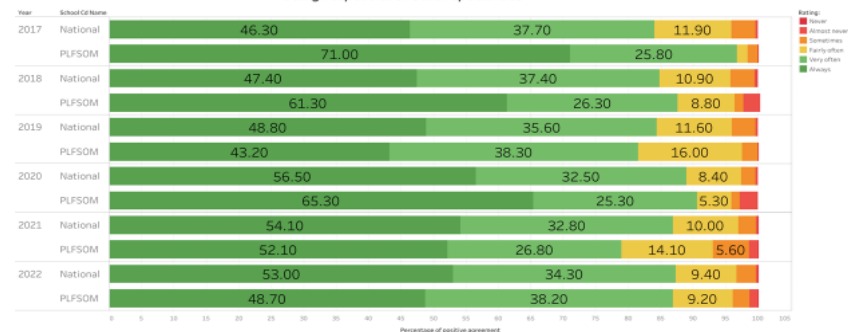
Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Being respectful of other health professions



Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Being respectful of other specialties

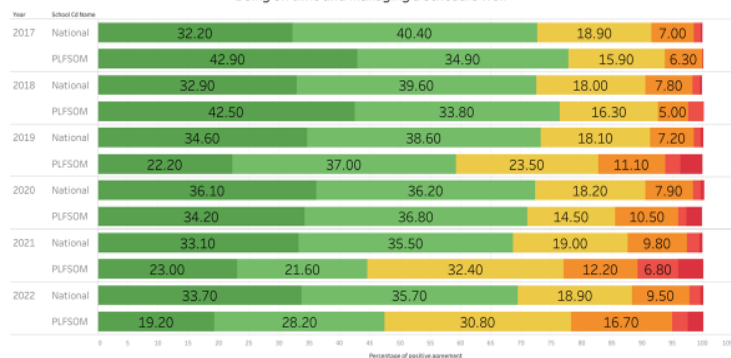




Y2Q: Professionalism of Faculty

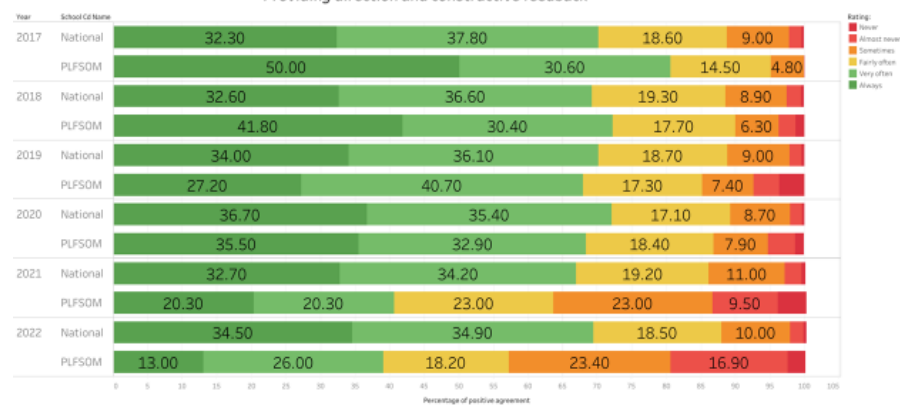
Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Being on time and managing a schedule well



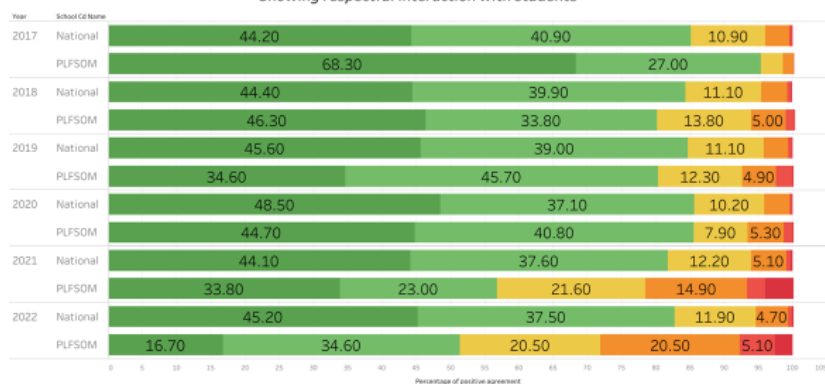
Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Providing direction and constructive feedback



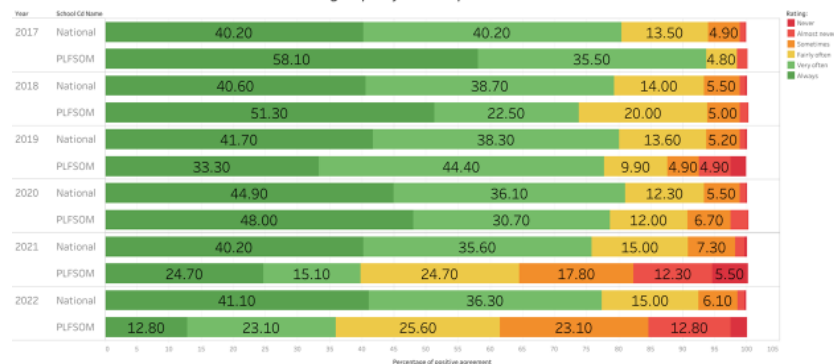
Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Showing respectful interaction with students



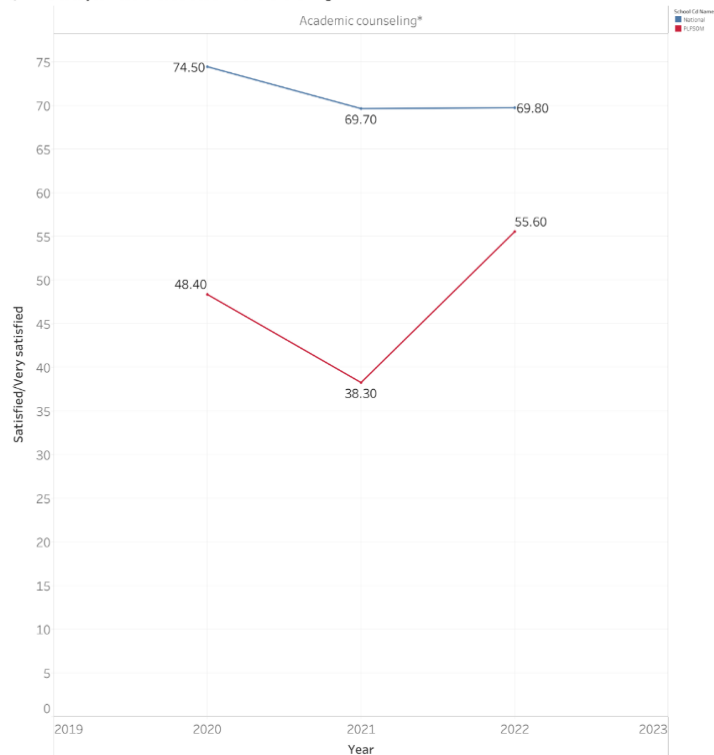
Q15. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty:

Showing empathy and compassion



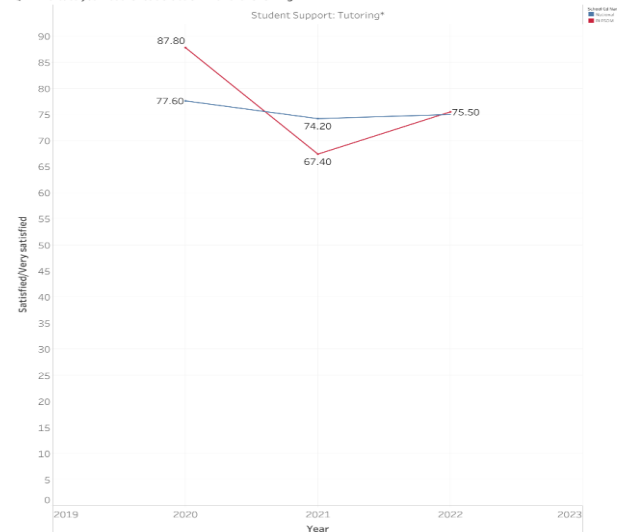
Y2Q: Student Satisfaction

Q17. Indicate your level of satisfaction with the following:

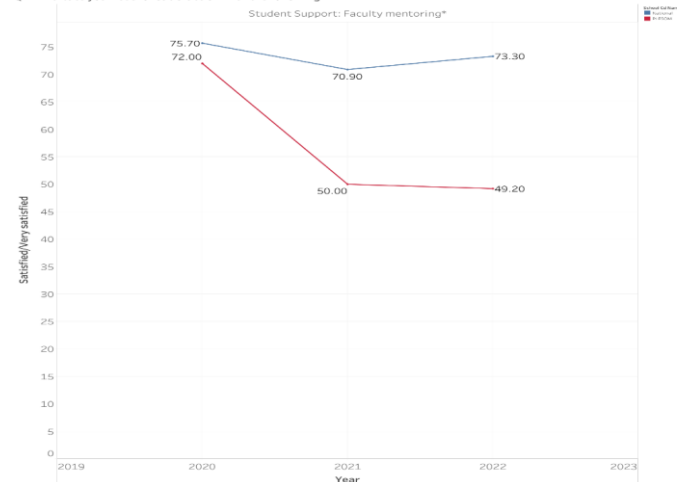


2023 TTUHSC El Paso Internal Satisfaction Survey: 73.8% satisfaction
 with Academic advising in my field of study
 Academic adviser's knowledge about my degree program: 79.0%
 Academic Advisor's knowledge of career opportunities in my field of
 study: 77.4%

Q17. Indicate your level of satisfaction with the following:



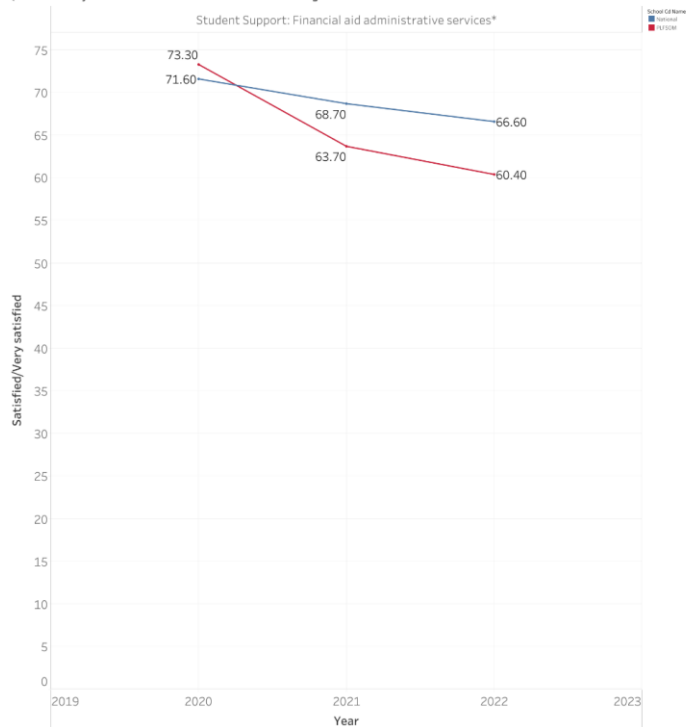
Q17. Indicate your level of satisfaction with the following:



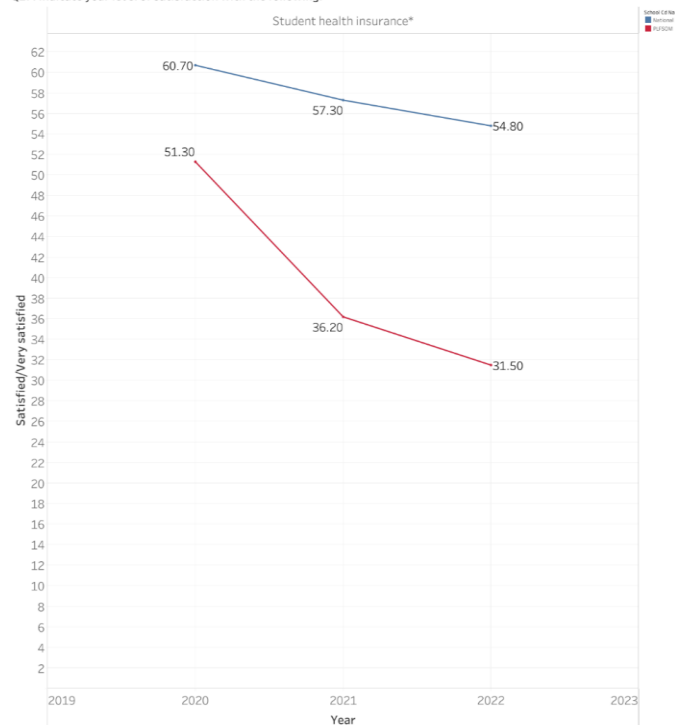


Y2Q: Student Satisfaction

Q17. Indicate your level of satisfaction with the following:



Q17. Indicate your level of satisfaction with the following:

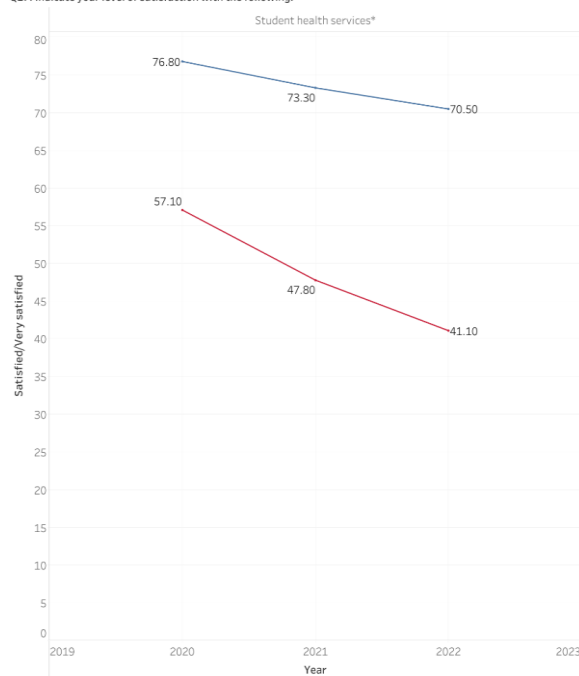


2023 TTUHSC El Paso Internal Satisfaction Survey:
Helpfulness of the Financial Aid Office: 95.5%

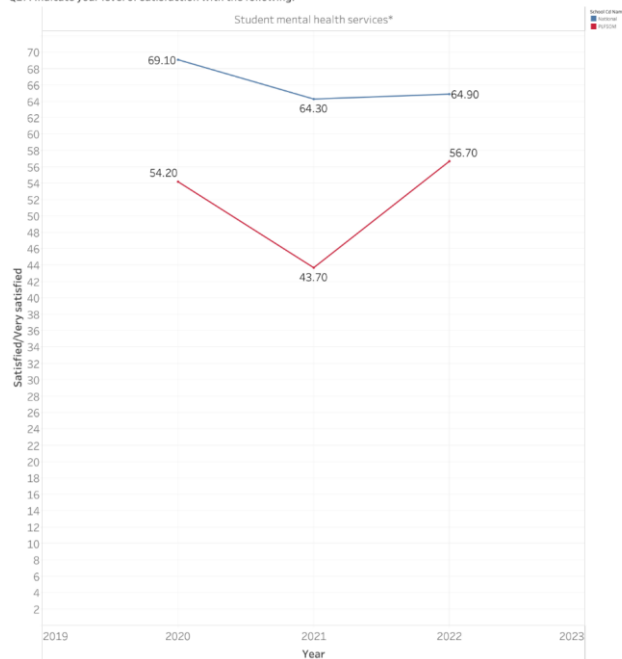
Information about student health insurance plans (Academic Health Plans): 76.1%

Y2Q: Student Satisfaction

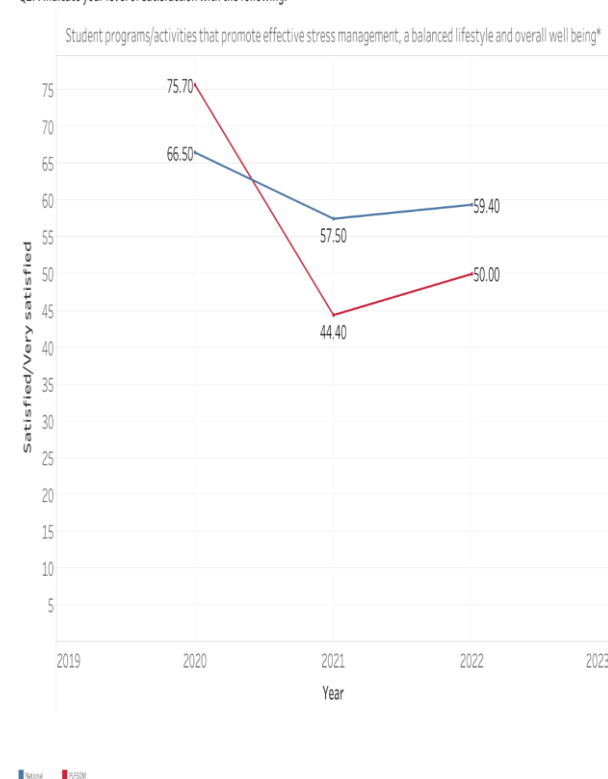
Q17. Indicate your level of satisfaction with the following:



Q17. Indicate your level of satisfaction with the following:



Q17. Indicate your level of satisfaction with the following:



2023 TTUHSC El Paso Internal Satisfaction Survey:

Helpfulness of Student Health Services Office: 78.4%

Ease of access to services provided by Student Health Services :70.9%

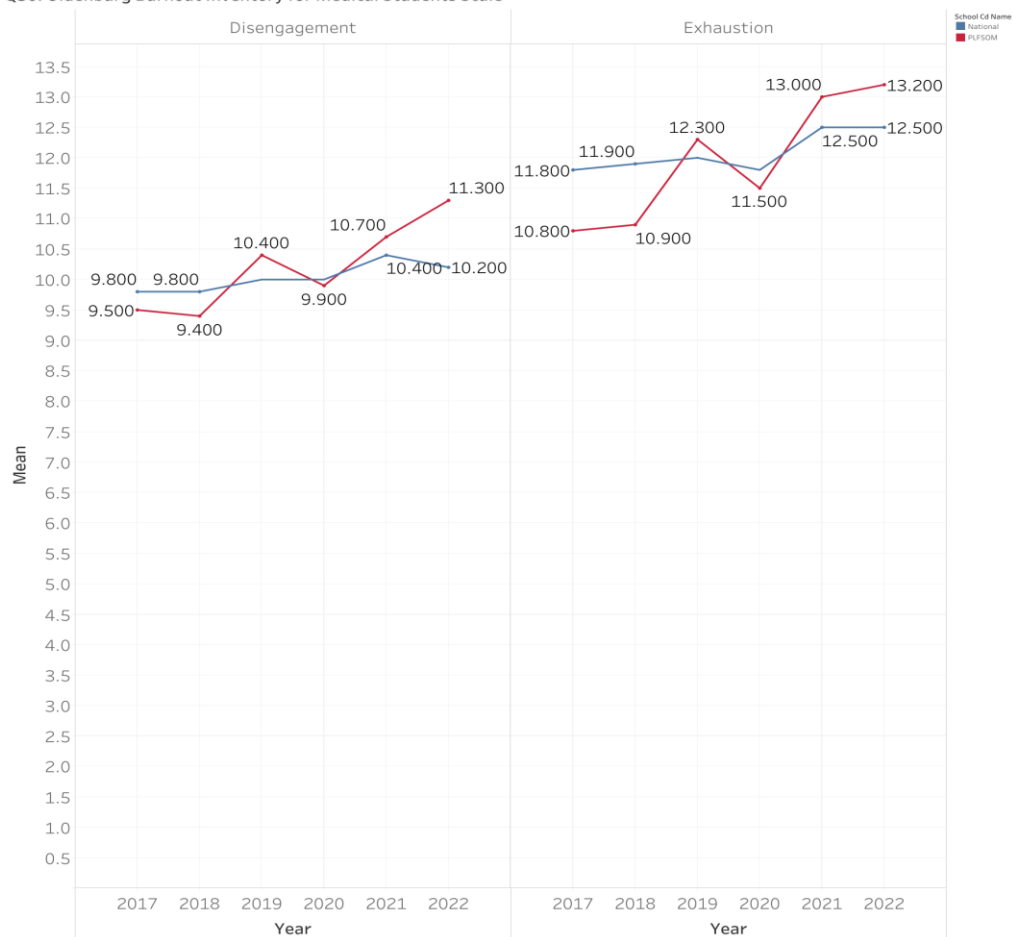
Information about medical health services (e.g., visits to Texas Tech Physicians of El Paso at Hague): 63.3%

Availability of in-network student health care providers: 66.7%



Burnout

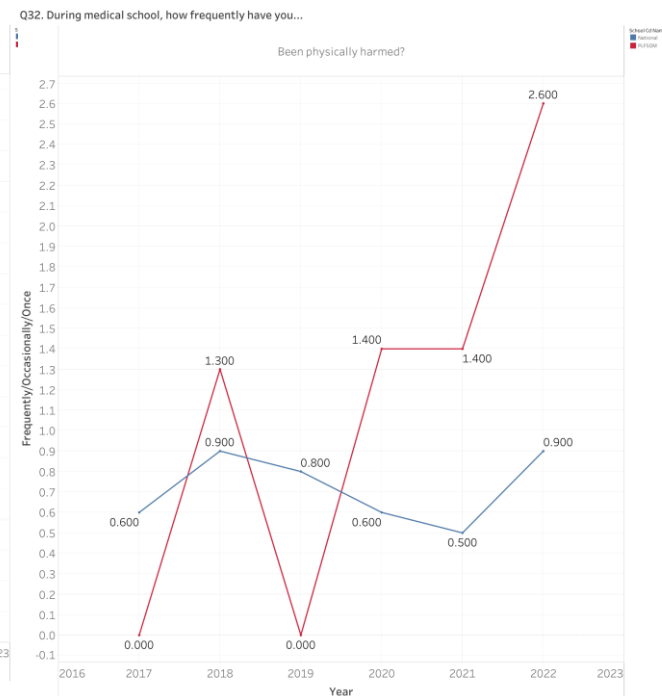
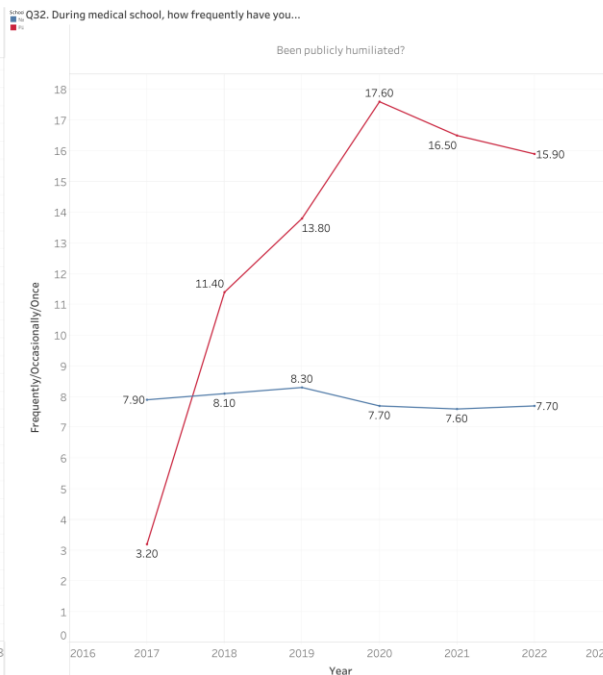
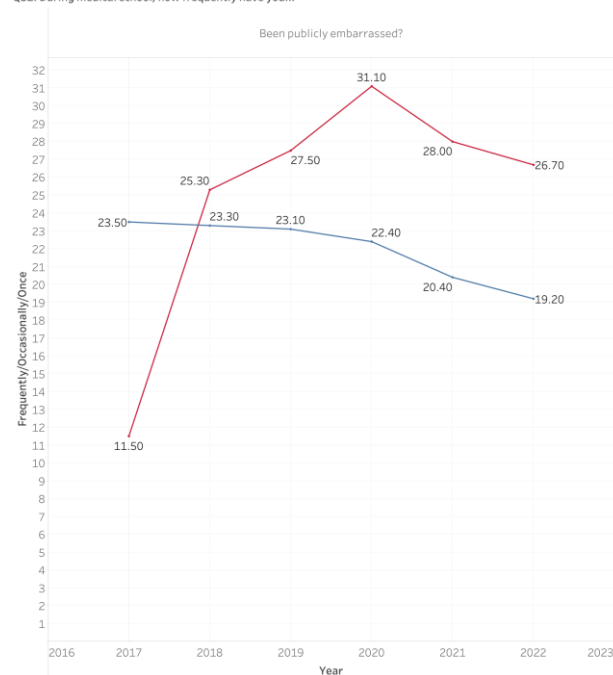
Q30. Oldenburg Burnout Inventory for Medical Students Scale





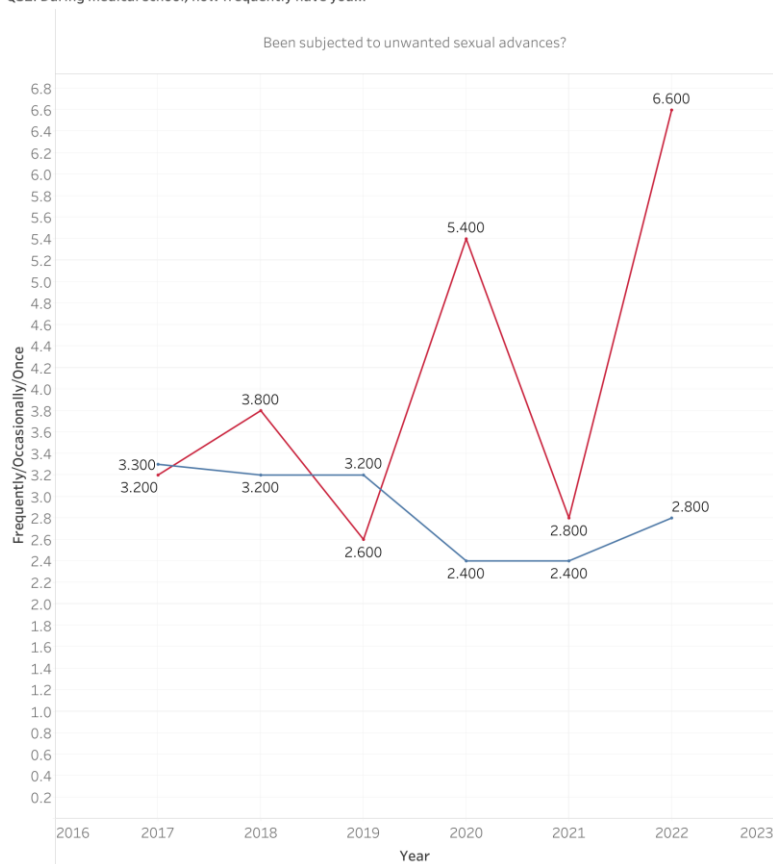
Y2Q: Negative Behaviors Experienced

Q32. During medical school, how frequently have you...



Y2Q: Negative Behaviors Experienced

Q32. During medical school, how frequently have you...

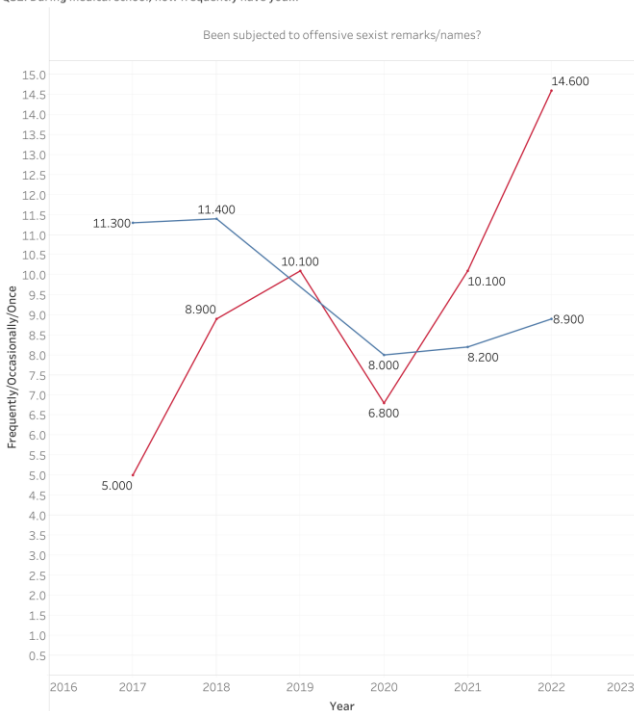


Q32. During medical school, how frequently have you...

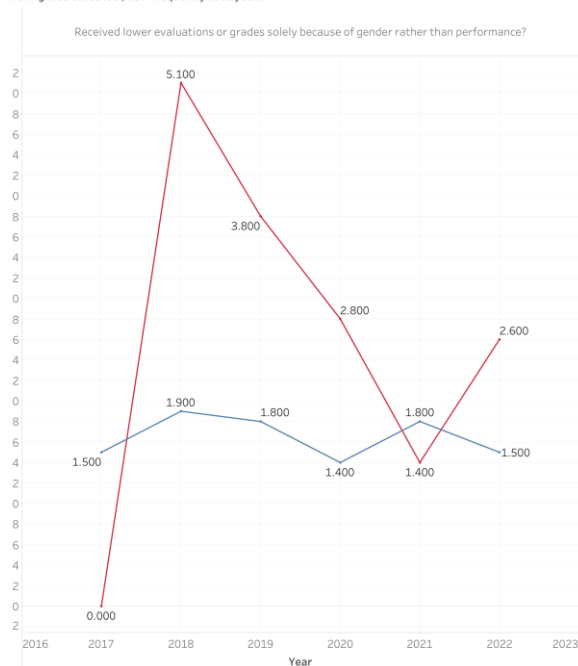


Y2Q: Negative Behaviors Experienced

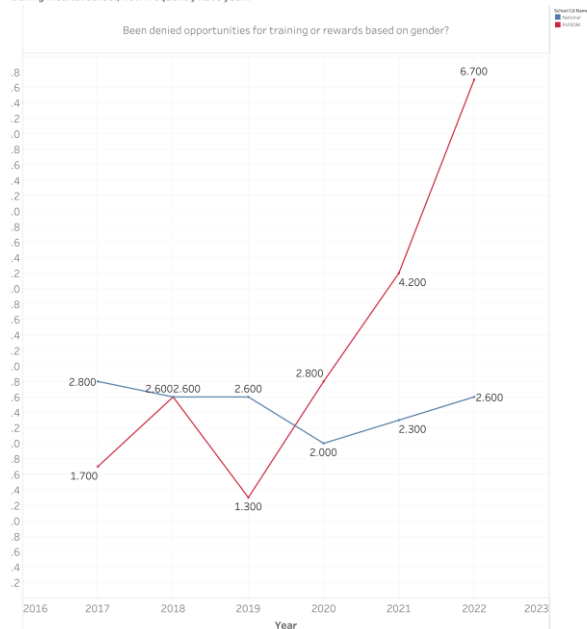
Q32. During medical school, how frequently have you...



During medical school, how frequently have you...

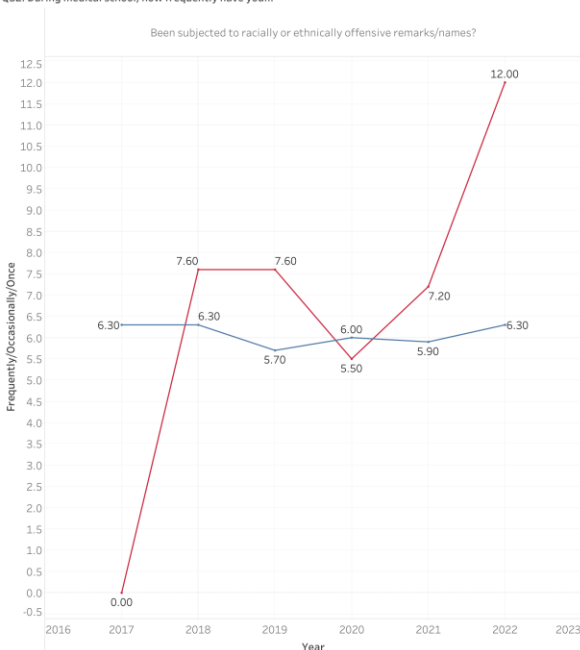


During medical school, how frequently have you...

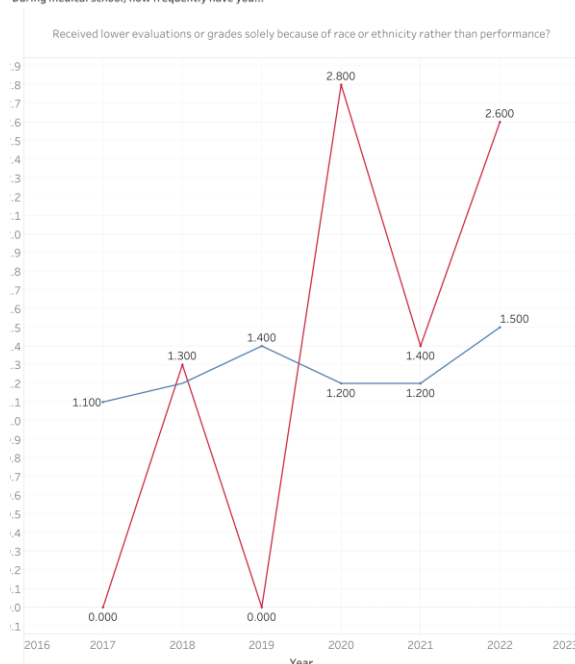


Y2Q: Negative Behaviors Experienced

Q32. During medical school, how frequently have you...



During medical school, how frequently have you...



Q32. During medical school, how frequently have you...





Questions & Discussion

Thank you

CURRICULUM VITAE

**Salvador Cruz-Flores, M.D., M.P.H., HEC-C
Jim and Julie Cardwell Endowed Chair
Professor and Founding Chairman
Department of Neurology
Paul L Foster School of Medicine
Texas Tech University Health Sciences Center El Paso**

**Chief of Neurology
Director Neurosciences Intensive Care Unit
University Medical Center of El Paso**

**Chief of Staff
University Medical Center of El Paso
Sep 2020 to date**

**Office
4800 Alberta Ave
El Paso, Tx, 79905
(915) 215-5904
Fax(915) 545-6705**

**Home
6263 Franklin Hawk
El Paso, Tx, 79912
Cell (636) 328-6472**

e-mail: salvador.cruz-flores@ttuhsc.edu
salvadorcruz7@gmail.com
salvador.cruz@hotmail.com

PERSONAL INFORMATION

Date and Place of Birth	February 7, 1962 Monterrey, Nuevo León, México
Citizenship	Mexico. USA.
Marital Status	Married. Spouse, Rosa D. Cruz Three children
Languages	Spanish, English
Professional address and telephone:	Department of Neurology Paul L. Foster School of Medicine El Paso, Texas, 79905 Phone (915) 545-6703 Fax (915) 545-6705

EDUCATION

Sep 1979- Jun 1985

Medical School

Facultad de Medicina
Universidad Autónoma de Nuevo León, México
Monterrey, Mexico

Jul 1985-Jun 1986

Social Service

Division of Pulmonary Medicine
Department of Internal Medicine
Hospital Universitario
Universidad Autónoma de Nuevo León
Monterrey, Mexico

September 2008

Master of Public Health (M.P.H.) (Epidemiology)

School of Public Health
Saint Louis University

**Fall 2020 to date
(Half way through degree)**

MA in Bioethics

Neiswanger Institute for Bioethics and Healthcare
Leadership.
Loyola University Chicago

TRAINING

Mar 1987-Feb 1990

Internal Medicine Residency

Department of Internal Medicine
Hospital Universitario
Universidad Autonoma de Nuevo Leon
Monterrey, Mexico

Mar 1990- Feb 1992

Neurology Residency

Division of Neurology
Department of Internal Medicine
Hospital Universitario
Universidad Autonoma de Nuevo Leon
Monterrey, Mexico

Mar 1992- Feb 1993

Internship

Department of Neurology
Saint Louis University Health Sciences Center
St. Louis, Missouri

Mar 1993- Feb 1996

Neurology Residency

Department of Neurology
Saint Louis University Health Sciences Center
St. Louis, Missouri

Mar 1996- Dec 1997

Fellowship

Cerebrovascular Diseases and Neurocritical Care
Department of Neurology
Saint Louis University Health Sciences Center
St. Louis, Missouri

July 24-August 3, 2006

Fellowship in Epidemiology

32nd 10-Day Seminar on the Epidemiology and
Prevention of Cardiovascular Disease (AHA)
\$2,100 US Scholarship from CDC
Tahoe City, CA

January 8-11, 2009

Advocate, Donald M. Palatucci Leadership Forum

Class 2009
American Academy of Neurology
Rancho Bernardo Inn, San Diego, CA

June 1-6, 2009

35th Intensive Bioethics Course

Kennedy Institute of Ethics
Georgetown University
Washington, DC

March 8-9, 2010

Neurology on the Hill

American Academy of Neurology, Washington, DC

July 1, 2010-June 30, 2011

Fellowship, Medical Business Ethics

Bander Center for Medical Business Ethics
Saint Louis University
St. Louis, Missouri

September 26-30, 2013

**2013 Executive Development Seminar for Associate
Deans and Chairs**

American Association of Medical Colleges
Babson Park, Massachusetts

January 12-24, 2014

Program for Chiefs of Clinical Services

Executive and Continuing Professional Education
Harvard School of Public Health
Boston, Massachusetts

Jan-Oct 2020

**American Academy of Neurology Diversity
Leadership Program Class 2020**

BOARD CERTIFICATION

February 1990

Mexican Board of Internal Medicine

October 25, 1991 (issued)

**ECFMG certification.
Certificate number 0-403-467-4**

	Valid indefinitely number 5370D USMLE ID 0-403-467-4
May 1997 (certification)	Diplomate in Neurology by the American Board of Psychiatry and Neurology (ABPN) Certificate No 44049
August 2006 (recertification) October 2016 (recertification)	Recertified August 2006 (Exp Dec 2016) Recertified October 2016 (Exp Dec 2026)
February 1998	Certified in CT and MRI by the American Society of Neuroimaging (No expiration date)
February 1998	Certified in Neurosonology by the American Society of Neuroimaging (No expiration date) Registered Physician in Neurovascular Interpretation (ASN 1998)
May 2005	Diplomate in Vascular Neurology by the American Board of Psychiatry and Neurology. Certificate No 59 Certified May 2005 (Exp Dec 2015) Recertified May 2015 (Exp Dec 2025)
December 2007	Certified in Neurocritical Care by the United Council of Neurological Specialties NCC 00217-07 (valid through December 31, 2017)
December 2017	Recertified Neurocritical Care by United Council of Neurological Specialties Certificate NO NCC1579-17 (valid for 10 years through December 31 2027)
February 2008	Certified in Neuroimaging by the United Council of Neurological Specialties. NI 00206-08 (valid for 10 years through December 31, until December 31, 2018)
January 2017	Recertified in Neuroimaging by the United Council of Neurological Specialties. NI 00206-08 (valid for 10 years through December 31, until December 31, 2027)

May 3, 2021

Healthcare Ethics Consultant-Certified (HEC-C)

October 4, 2021

**Diplomate in Neurocritical Care by the American
Board of Psychiatry and Neurology.
Certificate No 68
Certified October 2021**

MEDICAL LICENSURE

Permanent License: 1166926 Mexico issued 5/86

Permanent License: MD 100211 State of Missouri issued 1/31/2021

Temporary License: 40211 State of Texas issued May 1, 2013, Exp Jan 31, 2018

Permanent License: P5984 State of Texas Issued December 2013 Exp Feb 28, 2023

CURRENT POSITION AND ACADEMIC RANK

Professor (tenured) and Founding Chair

Department of Neurology

Paul L. Foster School of Medicine

Texas Tech University Health Sciences Center at El Paso

May 2013 to date

Jim and Julie Cardwell Endowed Chair in Neurology

September 2019 to date

PREVIOUS PROFESSIONAL EXPERIENCE

Assistant Professor of Neurology

Saint Louis University School of Medicine

1997-2003

Associate Professor of Neurology with tenure

Saint Louis University School of Medicine

July 2003 to June 2007

Professor of Neurology (tenured)

Department of Neurology & Psychiatry

Saint Louis University School of Medicine

2007 to 2013

Professor of Epidemiology (non tenured)

Department of Epidemiology

School of Public Health

Saint Louis University

April 2012 to April 2013

Interim Chairman

Department of Neurology & Psychiatry

August 2011 to January 31, 2013

CLINICAL STAFF AND ADMINISTRATIVE APPOINTMENTS

- **Saint Louis University School of Medicine**

Interim Chair, Department of Neurology & Psychiatry

Saint Louis University School of Medicine
1438 Grand Blvd
St. Louis, MO, 63106
July 2011-January 2013

Director, Souers Stroke Institute

Cerebrovascular and Neurointensive Care Division

Department of Neurology & Psychiatry
Saint Louis University School of Medicine
1438 Grand Blvd
St. Louis, MO 63106
October 1999 to April 2013

Director, Vascular Neurology Fellowship Training Program

Department of Neurology & Psychiatry
Saint Louis University School of Medicine
2005 to April 2013

**Director Neurology Residency Training Program for
Clinical Services and Education**

Department of Neurology & Psychiatry
Saint Louis University School of Medicine
1438 Grand Blvd
St. Louis, MO 63106
August 2011-June 2012

**Associate Director Neurology Residency Training Program for
Clinical Services and Education**

Department of Neurology & Psychiatry
Saint Louis University School of Medicine
1438 Grand Blvd
St. Louis, MO 63106
1998 to June 2008

- **Saint Louis University Hospital (Tenet)**

Director, Neuroscience Intensive Care Unit (SICU)

Saint Louis University Hospital
3635 Vista Ave
St. Louis, MO 63110
October 2000 to April 2013

Director, Primary Stroke Center

Saint Louis University Hospital
3635 Vista Ave
St. Louis, MO 63110
October 2000 to April 2013

Director, Mid America Stroke Network

Saint Louis University Hospital
3635 Vista Ave.
St. Louis, MO, 63110
July 2008 to April 2013

Staff Physician, Department of Neurology

Saint Louis University Hospital
3635 Vista Ave.
St. Louis, MO 63110
December 1997 to April 2013

- **John Cochran VA Medical Center**
Staff Physician, Neurology Service.
Division John Cochran VA Medical Center.
915 N. Grand
St. Louis, MO, 63106
December 1997 to June 2009
- **Forest Park Hospital**
Staff Physician, Neurology
Forest Park Hospital
Oakland Ave.
St. Louis, MO 63110
December 1997 to 2010 (hospital closed)
- **SSM Health Care**
Staff Physician
St. Mary's Hospital, SSM Rehab
SSM Health Care
6420 Clayton Road
St. Louis, MO 63117
July 2005 to April 2013

Staff Physician

Cardinal Glennon Children's Hospital
SSM Health Care
Grand Ave. and Park
St. Louis, MO 63110
July 2006 to April 2013

Staff Physician

DePaul Hospital

SSM Health Care
St. Louis, MO
January 2009 to February 2013

- **University Medical Center of El Paso**
Staff Physician
Chief of Neurology
Director, Neurocritical Care Service
University Medical Center
El Paso, Texas
June 2013 to date

Director, Neuroscience critical care unit (opened March 2016)
University Medical Center of El Paso
March 2016 to date

- **El Paso Children's Hospital**
Staff Physician
El Paso, Texas
2013 to date 2020

PROFESSIONAL AND SOCIETY MEMBERSHIP

1. American Academy of Neurology, since January 1993 (ID 020934)
2. Society of Critical Care Medicine, since June 1994 (ID 014742)
3. American Medical Association, 1994 – 1996; 2000 to 2009
4. American Society of Neuroimaging, since November 1995
5. American Heart Association, since October 1996
6. Missouri State Medical Association, 2003 to 2009
7. American Neurological Association, 2011 to date
8. Neurocritical Care Society, 2003 to date
9. American College of Physicians, September 2004 to date (ID 01047768)
10. American Academy of Hospice and Palliative Medicine, October 2004 to 2013
11. World Stroke Organization (WSO), 2007 to date
12. European Stroke Organization (ESO), 2009 to 2011
13. El Paso County Medical Society 2013 to date
14. **Fellow** of the American Heart Association, Stroke Council since October 1996 (100001438385)
15. **Fellow** of the American College of Critical Care Medicine since February 2007
16. **Fellow** of the American Academy of Neurology since December 2008
17. **Fellow** of the American College of Physicians since November 2009
18. **Fellow** of the American Neurological Association, 2011

19. **Fellow** of the Neurocritical Care Society, 2019

HONORS AND AWARDS

- Best Resident in Neurology. Hospital Universitario, Universidad Autonoma de Nuevo Leon. October 1991.
- Chief Resident. Department of Neurology, Hospital Universitario, Universidad Autonoma de Nuevo Leon. March 1991 - February 1992.
- Chief Resident. Department of Neurology, Saint Louis University Medical Center. July, 1995-February 1996.
- Best Teaching Neurologist. Department of Neurology, Saint Louis University Medical Center, June 1999.
- Best Teaching Neurologist. Department of Neurology, Saint Louis University Medical Center, June 2000.
- Best Neurology Lecturer. Department of Neurology, Saint Louis University Hospital. June 2006.
- Pastoral Care Award, Saint Louis University Medical Center, October 1999. Nominated for Pastoral Care Award, Saint Louis University Medical Center in 1997, 1998, 1999, 2003, 2005 and 2006. (Awarded to physicians who were nominated by peers or hospital staff for their compassionate care)
- SLU Stars Award, Saint Louis University, June 2001. (Awarded to Saint Louis University staff nominated by their peers or other staff members for their professionalism demonstrated through their adherence to the University Guiding Principles and Values of Compassion, Commitment, Competence, Community, and Conscience)
- SLUCare Ambassador, Saint Louis University, University Medical Group, February 2005. (Awarded to those who excel at serving patients, faculty and staff. Nominees can include anyone who works in the Doctors Offices Business and consistently goes out of his way to help patients have a better experience during their visit. Employees or patients can make nominations.)
- “Best Doctors in America 2003-2004.” Best Doctors Inc.
- “Best Doctors in America 2005-2006.” Best Doctors Inc.
- “Best Doctors in America 2007-2008.” Best Doctors Inc.
- “Best Doctors in America 2009-2010.” Best Doctors Inc.
- “Best Doctors in America 2011-2012.” Best Doctors Inc.
- “Best Doctors in America 2013-2014.” Best Doctors Inc.
- “Best Doctors in America 2017-2018.” Best Doctors Inc.

- “Best Doctors in America 2019-2020” Best Doctors Inc.
- “Best Doctors in St. Louis 2004” St. Louis Magazine.
- “Best Doctors in St. Louis 2005” St. Louis Magazine.
- “Best Doctors in St. Louis 2006” St. Louis Magazine.
- “Best Doctors in St. Louis 2007” St. Louis Magazine.
- “Best Doctors in St. Louis 2008” St. Louis Magazine.
- “Best Doctors in St. Louis 2009” St. Louis Magazine.
- “Best Doctors in St. Louis 2010” St. Louis Magazine.
- “Best Doctors in St. Louis 2011” St. Louis Magazine.
- “Best Doctors in St. Louis 2012” St Louis Magazine.
- “Best Doctors in St. Louis 2013” St Louis Magazine.
- “Guide to America’s Top Physicians” 2005. By the Consumer’s Research Council of America.
- “Guide to America’s Top Physicians” 2006. By the Consumer’s Research Council of America.
- “Guide to America’s Top Physicians” 2009. By the Consumer’s Research Council of America.
- “Guide to America’s Top Physicians” 2010. By the Consumer’s Research Council of America.
- “Guide to America’s Top Physicians” 2011. By the Consumer’s Research Council of America.
- “Guide to America’s Top Physicians” 2012. By the Consumer’s Research Council of America.
- Quality Physician Award 2007 “Impact on Stroke Care” Saint Louis University Hospital. March 2008.
- **Fellow** of the American Heart Association (**FAHA**), Stroke Council since October 1996.
- **Fellow** of the American College of Critical Care Medicine (**FCCM**) since February 2007
- **Fellow** of the American Academy of Neurology (**FAAN**) since December 2008
- **Fellow** of the American College of Physicians (**FACP**) since November 2009
- **Sidney W. Souers Endowed Chair and Professor of Neurology, Saint Louis University School of Medicine, February 2009 to April 2013**

- **“Hugh D. McCulloch” Award. American Heart Association Midwest Affiliate. The award epitomizes the Midwest Affiliate—Greater St. Louis Division’s most prestigious tribute. It is named after Dr. Hugh D. McCulloch, a founding father of the AHA. The award is bestowed on a medical volunteer with distinguished contributions of lasting and continuing nature to the mission of the AHA – building healthier lives free of cardiovascular disease and stroke. For distinguished service to improve access to stroke care in the St. Louis Area. April 2010**
- **Physician of the Quarter**, Saint Louis University Hospital, December 2010
- **Elected Active Member** American Neurological Association 2011
- **Elected Fellow** of the American Neurological Association (**FANA**) since 2011
- **Professionalism Article Award by the American Board of Internal Medicine Foundation** for the paper “DuBois J, Kraus E, Mikulec A, **Cruz-Flores S**, Bakanas E. A humble task: Restoring virtue in medicine in an age of conflicted interests. Acad Med 2013Jul;88(7):924-928. PMID: 23702525, awarded 2014
- **Jim and July Cardwell Endowed Chair in Neurology. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso, March 2019**
- **Fellow** of the Neurocritical Care Society (**FNCS**) since 2019
- **Top Doctor List 2021-2022**
- **Super Doctor List 2021**

PROFESSIONAL SERVICE IN ACADEMIC, CLINICAL AND PROFESSIONAL SOCIETIES COMMITTEES

HOSPITAL SERVICE

- **Saint Louis University Hospital**

Member Ethics Committee

Saint Louis University Hospital
1999 – 2002

Member Special Care Review Committee (Critical care)

Saint Louis University Hospital
2000 to 2013

Chair of the Committee

November 2002 to April 2004

Chair of the Committee

January 2009 to February 2011

Chair of the Committee

April 2012 to March 2013

Chair, Stroke Task Force
Saint Louis University Hospital
November 2005 to April 2013

Member, EMS Advisory Board
Saint Louis University Hospital
2006 to 2013

Secretary/Treasurer, Medical Executive Committee
Saint Louis University Hospital
June 2007 to 2010

Member, Credentials and Peer Review Committee
Saint Louis University Hospital
July 2007 to April 2013

Member, Clinical Quality Improvement (CQI) Committee
Saint Louis University Hospital
June 2008 to Dec 2012

Chair, June 2008 to December 2008

Chair, July 2010 to date July 2012

Vice President, Medical Executive Committee
Saint Louis University Hospital
2010 to 2012

President, Medical Executive Committee
Saint Louis University Hospital
July 2012 to December 2012

Member, Governing Board
Saint Louis University Hospital
2010 to April 2012

- **University Medical Center of El Paso**

Member, Medical Executive Committee
University Medical Center of El Paso
August 2013 to date

Member, MSPI Committee
University Medical Center of El Paso
August 2013 to September 2018
September 2020 to date
Chair, October 2018 to 2020

Member, Critical Care Committee
University Medical Center of El Paso

August 2013 to date

Member, Ethics Committee

University Medical Center of El Paso
2013 to date

Chair, June 2018

Member, Credentials Committee

University Medical Center of El Paso
2014 to date

Member, Bylaws Committee

University Medical Center of El Paso
October 2018 to September 2018

Chair, October 2018 to date

Secretary, Medical Staff

University Medical Center of El Paso
October 2014 to 2018

Chief of Staff Elect

University Medical Center of El Paso
October 2018 to September 2020

Chief of Staff

University Medical Center of El Paso
October 2020 to date

UNIVERSITY SERVICE

- **Saint Louis University School of Medicine**

Member Graduate Medical Education Committee

Saint Louis University School of Medicine
July 2002 to June 2004

Chairperson, Graduate Medical Education Review Committee for Transitional Year
Residency Program
School of Medicine, Saint Louis University 2003

Chairperson, Graduate Medical Education Review Committee for Nuclear Medicine
Residency Program
School of Medicine, Saint Louis University 2003

Chairperson, Graduate Medical Education Review Committee for Pulmonary, Critical
Care, and Occupational Medicine Fellowship Program
School of Medicine, Saint Louis University 2004

Chairperson, Graduate Medical Education Review Committee for Critical Care
Medicine Fellowship Program

School of Medicine, Saint Louis University 2004

Member Institutional Review Board

Saint Louis University
October 2003 to January 2007

Member, Faculty Affairs Committee

Saint Louis University School of Medicine
July 2008 to 2011

Member, Admissions Committee

Saint Louis University School of Medicine
January 2009 to April 2013

Member, Minority Diversity Task Force

Saint Louis University School of Medicine
January 2009 to June 2010

Member, Search Committee for Dean Multicultural Affairs

Saint Louis University School of Medicine
February 2009 to June 2010

Member, Executive Committee of the Faculty

Saint Louis University School of Medicine
2009 to date

Member, Governing Board University Medical Group

Saint Louis University School of Medicine
Jan 2012 to Feb 2013

Member, Credentials and Promotions Committee

Saint Louis University School of Medicine
July 2010 to April 2013

Chair, Review Group

Department of Orthopedic Surgery
August 2010 (appointed by Dean of medical school)

Member, Search Committee for Chair Department of Surgery

Saint Louis University School of Medicine
June 2011-to April 2013

Departmental Service

Co-Chair, Promotions and Tenure Committee

Department of Neurology & Psychiatry
Saint Louis University School of Medicine
2005 to 2013

Member Executive Committee

Division of Neurology
Department of Neurology & Psychiatry
Saint Louis University School of Medicine
August 2007 to 2013

Member, Clinical Research Unit Oversight Committee

Department of Neurology & Psychiatry
Saint Louis University School of Medicine
August 2007 to 2013

- **Texas Tech University Health Sciences Center El Paso. Paul L. Foster School of Medicine**

Member, Dean's Council

PLFSOM, Texas Tech University Health Sciences Center El Paso
May 2013 to date

Member, Associate Dean for Research TTUHSCEP Search Committee

PLFSOM, TTUHSC El Paso
2014

Member, Medical Practice Income Plan Committee

PLFSOM, Texas Tech University Health Sciences Center El Paso
May 2013 to date

Chair of the Committee

October 2020 to date

Member, Ad Hoc Committee on Professionalism

PLFSOM, Texas Tech University Health Sciences Center El Paso
2016

Chair, Subcommittee on Excellence in Clinical Affairs

Strategic Planning Committee

Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso
2020 to date

PROFESSIONAL SOCIETIES SERVICE

- **Mid America Transplant Services**

Member, Critical Care Task Force.
2007 to 2013

- **Missouri Department of Health and Senior Services**

Member, Steering Committee, Time Critical Diagnosis (TCD) System Task Force
2007-2008

- **American Heart Association**

Member Stroke Council Minority Affairs Committee
American Heart Association

July 2007 to 2019

Mentor, American Heart Association Minority Mentoring Program
2008

Member Epidemiology Council Minority Affairs Committee
American Heart Association
July 2010 to date

Power to End Stroke Ambassador, American Heart Association Midwest Affiliate
December 2008 to 2013

Chair, “Racial disparities in stroke care” Stroke Writing Group
American Heart Association
December 2008 to 2011

Co-Chair, Stroke Systems of Care Subcommittee
Community Action Network
St. Louis Division, American Heart Association
May 2009 to 2013

Member, Minority Council
St. Louis Division, American Heart Association
2009 to 2013

Member, Advisory Committee
American Stroke Association (National)
June 2010 to 2014

Member At-Large, Science Advisory & Coordinating Committee
American Heart Association (National)
June 2010 to June 2012

Member, International Committee
American Heart Association (National)
2011 to 2015

Member, Scientific Publishing Committee
American Heart Association (National)
June 2011 to April 2015

Member, Board of Directors
Midwest Affiliate, American Heart Association
September 2011 to December 2012

Member, Board of Directors
St. Louis Affiliate, American Heart Association
September 2011 to December 2012

Member, Bugar Research Network Oversight Advisory Committee (National)

American Heart Association/American Stroke Association

2013 to 2019

Member, Clinical Cardiology Cardiovascular Disease and Stroke in Women and Special Populations Committee. (National)

2014 to 2016

Chair, Latin American Leadership Summit Steering Group

July 2015

Chair, Latin American Summit; Reducing the burden of stroke

Santiago (Chile). October 29-31, 2015

AHA representative to the Pan American Health Organization/World Health Organization

Regional Consultation on Secondary Prevention of Cardiovascular Diseases

2015

Member, Cardiovascular disease and breast cancer AHA Scientific Statement Writing Group

2015 to 2018

Member, Council on Epidemiology and Prevention ADVANCE Committee

October 2020 to date

Member, Stroke Performance Measures Oversight Committee

June 2020 to date

Member, “Strategies to Reduce Inequities in Stroke Preparedness, Care, and Risk Factor Control” American Heart Association Statement Writing Group

March 2021 to date

Member, “Subarachnoid Hemorrhage Guidelines” American Heart Association Writing Group

February 2022 to date

- **Inter American Heart Foundation**

Member at Large, Board of Directors

November 2011 to 2014

- **American Academy of Neurology**

Volunteer, Literature reviewer for the Newsletter of the Stroke Section

American Academy of Neurology, 2008

Member, Neuro Self Assessment Examination Working Group

American Academy of Neurology

2008 to 2011

Member, Vascular Neuro Self-Assessment Examination Working Group

American Academy of Neurology
2011 to date (Chair, 2014 to 2020)

Co-Chair, Acute Stroke Imaging Session
63rd Annual Meeting American Academy of Neurology
April 13, 2011

Member, AAN Michael Pessin Award selection Workgroup
2013 to 2019

Member, Inpatient and Emergent Measurement Set Working Group
June 2015 to 2016

Member, Stroke and Stroke Rehabilitation Measurement Set Working Group
October 2015 to 2016

Member, Executive Committee, “Training in Research for Academic Neurologists to Sustain Careers and Enhance the Numbers of Diverse Scholars (TRANSCENDS)” in response to the NIH-NINDS’s PA (PA-13-256 —“NINDS Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25).”
2016 to date

Member, AAN Ethics Law and Humanities Committee
April 2017 to date

Member, Planning Committee for “Health Equity and Actionable Disparities in Stroke: Understanding and Problem solving Symposium (HEADS-UP)”
NIH Project: 1 R13 NS116993-01
2018 to date

Member, AAN Neurology Chair Work Group
2019 to 2021

Member, AAN Funding of the Educational Mission Work Group
2019 to 2021

Member, Career Leadership Development Subcommittee (Leadership Development Committee)
2021 to date

Member, Department Chair Subcommittee (Academic Neurology Committee)
September 2021 to date

- **Neurocritical Care Society**
Member, Clinical Trials Committee, Neurocritical Care Society
January 2009 to 2013

Member, Ethics Committee
October 2014 to September 2018

Member, AAN Guideline reviewer: “Reducing brain injury after cardiopulmonary resuscitation.”

Member, Neurocritical Care On Call Editorial Board
2019 to date

Member, NCS Quality Improvement committee
October 2021 to day

- **World Stroke Organization**
Member, International Journal of Stroke Oversight Committee
Mar 2021 to date
- **Illinois Stroke Task Force**
Member. Telestroke subcommittee
Fall 2009 to 2013
- **Pan American Health Organization**
Member Advisor
Stroke Advisory Group, 2010

Member Advisor,
Secondary Prevention of Cardiovascular Diseases
2015
- **Centers for Medicare & Medicaid Services**
Member, Medicare Evidence Development & Coverage Advisory Committee (MEDCAC)
March 2014 to March 2018
- **Lone Star Stroke Consortium**
Member, Executive Committee
Texas State Council on Cardiovascular Disease and Stroke
October 2013 to date
- **El Paso County Medical Society**
Member, Editorial Committee
2014 to 2015
- **Governor’s EMS and Trauma Advisory Council**
Member, Stroke Committee
Texas Department of State Health Services
November 25, 2014 to 2016
- **American Board of Psychiatry and Neurology**
Examiner for oral exam
June 12 and 13, 2000

Member, Vascular Neurology Committee

Jan 2021 (four-year term)

- **National Institutes of Health**
Member, NINDS Health Disparities Diversity Training Subcommittee: HD Curricula and HD training development panel
March 2021 to date
- **Association of University Professors of Neurology**
Councilor, Executive Committee
April 2021 to date
- **Society of Vascular and Interventional Neurology**
Member, Diversity, Equity and Inclusion Committee
Jan 2021 to date
- **United Council of Neurological Specialties**
Member, Board of Directors representing the American Neurological Association
June 2021 to date
Vice Chair, Board of Directors April 2022 to date

Editorial Service

1. Member, Editorial Board Journal of Stroke and Cerebrovascular Diseases, April 2009 to date
2. Member, Editorial Board “Stroke” in Spanish, 2011 to 2013.
3. Associate editor, Bio Med Central (BMC) Public Health (free access journal), 2010 to June 2016
4. Associate editor, Frontiers in Endovascular and Interventional Neurology (free access journal), 2010 to date
5. Associate editor, Journal of Neurological Sciences (Journal of the World Federation of Neurology) June 2016 to 2018
6. Ad hoc reviewer “Intensive Care Medicine”
7. Ad Hoc reviewer “Journal of Gerontology: Medical Sciences”
8. Ad Hoc reviewer “Neurology India”
9. Ad Hoc reviewer “European Journal of Neurology”
10. Ad Hoc reviewer “Stroke”
11. Ad Hoc reviewer “Circulation”
12. Ad Hoc reviewer “Clinical Evidence” BMJ
13. Ad Hoc reviewer : “Neurocritical Care”
14. Ad Hoc reviewer: “The Neurologist”
15. Ad Hoc reviewer: “Journal of Cerebrovascular Diseases and Stroke”
16. Ad Hoc reviewer; “Neurology”

17. Ad Hoc reviewer, “Journal of Neurology, Neurosurgery, and Psychiatry”
18. Ad Hoc reviewer, “CNS Spectrums. International Journal of Neuropsychiatric Medicine”
19. Ad Hoc reviewer, “Neurology International”
20. Ad Hoc reviewer, “Neuroepidemiology”
21. Ad Hoc reviewer, “BMJ”
22. Ad Hoc reviewer, “Ethnicity and Disease”
23. Ad Hoc reviewer, “JAMA Psychiatry”
24. Ad Hoc reviewer, “Neurology and Clinical Neuroscience”
25. Ad Hoc reviewer, “International Stroke Journal”
26. Ad Hoc reviewer, “Journal of Neurosciences Methods”
27. Ad Hoc reviewer, “Journal of Spinal Cord
28. Ad Hoc reviewer, “BMC Cancer”
29. Ad Hoc reviewer, “Journal of the American College of Cardiology”
30. Ad Hoc reviewer, “Journal of Spinal Cord Medicine”
31. Ad Hoc reviewer, “Annals of Neurology”
32. Ad Hoc reviewer, American Academy of Neurology
 - Therapeutics and Technology Assessment Subcommittee
 - Quality Standards Subcommittee
 - Guidelines Development, Dissemination and Implementation Subcommittee
 - Continuum 2016
33. Ad Hoc reviewer, “Journal of Racial and Ethnic Health Disparities”
34. Ad Hoc reviewer, “BMC Palliative Care”
35. Abstract reviewer for Society of Critical Care Medicine 37th Annual Meeting February 2008
36. Abstract reviewer for Society of Critical Care Medicine 38th Annual Meeting February 2009
37. Abstract reviewer for Society of Critical Care Medicine 39th Annual Meeting February 2010
38. Abstract reviewer for Society of Critical Care Medicine 40th Annual Meeting February 2011
39. Abstract reviewer for Society of Critical Care Medicine 41th Annual Meeting February 2012
40. Abstract reviewer for Society of Critical Care Medicine 42th Annual Meeting February 2013
41. Abstract reviewer for Society of Critical Care Medicine 43th Annual Meeting February 2014
42. Abstract reviewer for Society of Critical Care Medicine 43th Annual Meeting February 2015
43. Abstract reviewer for the Joint Meeting European Society of Hypertension 24th Annual Meeting /International Society of Hypertension 25th Annual meeting, HYPERTENSION, Athens June 13-16, 2014

44. Sentinel Reader for McMaster Online Rating of Evidence (MORE). 2006 to date
45. Reviewer. DynaMed [Internet]. Ipswich (MA): EBSCO Publishing. 2010 to date
46. Abstract reviewer for International Stroke Conference, AHA/ASA 2009
47. Abstract reviewer for International Stroke Conference, AHA/ASA 2010
48. Abstract reviewer for International Stroke Conference, AHA/ASA 2011
49. Abstract reviewer for International Stroke Conference, AHA/ASA 2012
50. Abstract reviewer for International Stroke Conference, AHA/ASA 2013
51. Abstract reviewer for International Stroke Conference, AHA/ASA 2014
52. Abstract reviewer for International Stroke Conference, AHA/ASA 2015
53. Abstract reviewer for the 63rd American Academy of Neurology Annual Meeting, 2010
54. Abstract reviewer for American Neurological Association 2018
55. Abstract reviewer for American Neurological Association 2019
56. Abstract reviewer for Scientific Sessions, AHA 2019

Research Committees and Work Groups Membership

1. “Atherothrombosis drug Intervention for Metabolic syndrome with low HDL/High triglycerides and its Impact on Global Health Outcomes (AIM-HIGH Trial). NIH sponsor trial.
Member, Clinical Events Committee.
2006 to 2013
2. Cardiovascular Health Study
Member, Stroke/Neurological Diseases Working Group
NHLBI
June 2006 to 2013
3. American Heart Association “Racial and Ethnic Disparities in Stroke Care”
Chair, Writing Group
August 2008 to 2012
4. FRP-NIH-NIAID-DMID-08-03
Neurology consultant
“Vaccine and treatment evaluation units (VTEUs): Evaluation of control measures against diseases other than AIDS”
Center for Vaccine Development, Division of Infectious Diseases, Department of Internal Medicine, Saint Louis University School of Medicine
Principal Investigator: Robert Belshe, M.D.
2006
5. “Clot Lysis: Evaluating Accelerated Resolution of IntraVentricular Hemorrhage”
Funding: Food and Drug Administration. Office of Orphan Product Development
Member: Recruitment, and Protocol Committees
2007 to 2013

6. IMPACT Trial
BIOTRONIK Inc
Member, Clinical Events Committee
2008 to 2013
7. H6L-MC-LFAN and H6L-MC-LFBC: Effect of gamma-secretase inhibition on the progression of Alzheimer's disease: LY450139 vs placebo.
Eli Lilly and Quintiles, Inc
Member, Clinical Events Committee
2008 to 2011
8. "Performance of Smart Risk Prediction of Stroke and Stroke-related Events in Carotid Atherosclerosis"
Axio Research Company LLC and VP Diagnostics, Inc
Member, Clinical Events Committee
2008 to 2010
9. "Stroke Study"
Axio Research Company LLC
Member, Clinical Events Committee
2008 to 2010
10. "Dal-Heart" study
Hoffmann La-Roche Pharma
Member, Clinical Events Committee
2010-2012
11. Novo Nordisk
Member, Clinical Events Committee
Studies: SWITCH, DEVOTE, SUSTAIN
2014-2019
12. Lilly
Member, Clinical Events Committee
Study: 'EXPEDITION'
2014

CLINICAL INTERESTS

1. Cerebrovascular disease
2. Critical care neurology
3. Neurological complications of critical illness
4. Clinical Ethics and End-of-life care

RESEARCH INTERESTS

1. Acute stroke treatment
2. Stroke prevention
3. Neurocritical care
4. Medical Ethics

RESEARCH SUPPORT AND CLINICAL TRIALS EXPERIENCE

1. **"A Randomized Trial of ORG 10172 in Patients with Acute or Progressing Ischemic Stroke" (TOAST)**
IRB # 5104
Funding: NIH ROL-NS-27863/ Organon
Co-investigator
1996-1998
2. **"North American Symptomatic Carotid Endarterectomy Trial" (NASCET)**
IRB # 4507
Funding: NIH ROL-NS-24456
Co-investigator
1996-1997
3. **"Evaluation of the Efficacy and Safety of Eliprodil Hydrochloride in Patients with Acute Ischemic Stroke".**
LES-01IRB # 8484
Funding: Lorex Pharmaceuticals
Sub-investigator
1995-1996
4. **"Fibrinolysis in Acute Stroke Treatment"**
IRB # 7521
Co-investigator
1995-1997
5. **"A Prospective Multicenter Dose-Ranging Study of Intra-Arterial Thrombolysis in Acute Middle Cerebral Artery Distribution Thromboembolic Stroke" (PROACT II)**
IRB # 8485
Funding: Abbott Laboratories
Co-investigator
1996-1998
6. **"Evaluation of the Efficacy and Safety of Eliprodil Hydrochloride in Patients with Acute Ischemic Stroke".LES-02**
IRB # 8863
Funding: Lorex Pharmaceuticals
Sub-investigator
1997
7. **"ABCIXIMAB (Reopro) in Acute Ischemic Stroke: A Randomized Double-Blind, Placebo-Controlled Phase II, Dose Escalation Study"**
IRB #
Funding: Elli Lilly
Co-investigator
1997

8. "Lubeluzole in Acute Ischemic Stroke Treatment: A double-blind study with an 8-hour inclusion window, comparing a 10 mg daily dose of lubeluzole with placebo".LUB-INT-13.
IRB# 9127.Funding: Janssen Research Foundation.
Sub-investigator
1997-1998
9. **"Secondary Stroke Prevention Study in the African-American Community: Ticlopidine vs. Aspirin" (AAASPS)**
IRB # 8723
Funding: NIH NS 33430
Principal Investigator (site)
Grant award: **\$170,442**
1999-2003
10. **"Hemicraniectomy and Durotomy upon Deterioration for Massive Hemispheric Infarct: A Multicenter Randomized Study" (HeADDFIRST)**
IRB # 9727
Funding: NINDS
Principal Investigator (site)
Grant award: **\$9,654**
1998-2003
11. "A Phase III Randomized Double-Blind, Placebo-Controlled Efficacy and Safety Study of Hu23F2G (Leukarrest) in Patients with an Acute Ischemic Stroke"
IRB# 10612
Funding: ICOS Corporation
Principal Investigator (site)
Grant award: **\$14,000**
1998-1999
12. **"Warfarin vs. Aspirin for Symptomatic Intracranial Disease" Multicenter Randomized Double Blind Study" (WASID)**
IRB # 9965
Funding: NIH R01 NS36643-01
Principal Investigator (site)
Grant award: **\$250,000**
1999-2004
13. "Stroke Outcomes and Neuroimaging of Intracranial Atherosclerosis" (SONIA)
IRB# 10660
Funding: NIH R01 NS36643-02
Principal Investigator (site)
Grant award: **\$2,300**
1999-2004
14. "A Double-Blind Multi-center Study to Evaluate the Safety and Efficacy of a 72-hour Infusion of CP101,606 in Subjects with an Acute Ischemic Stroke in the Forebrain"
IRB# 10659

Funding: Pfizer
Principal Investigator (site)
Grant award: **\$15,500**
1998-1999

15. **“A Phase II Multicenter, Randomized, Double-Blind, Placebo-controlled Trial to Evaluate the Safety and Efficacy of rt-PA for Intraventricular Hemorrhage”**

IRB #
Funding: NACABI
Principal Investigator (site)
Grant Award: **\$51,981**
2000-2003

16. **“A Phase III Double-Blind Placebo-Controlled Trial of Long Term Therapy of Herpes Encephalitis (HSE): An Evaluation of Valacyclovir (CASG-204)”**

IRB# 11612
Funding: NIH subcontract through the University of Alabama
Principal Investigator (site)
Grant award: **\$26,500**
2003-to 2008

17. **“Secondary Prevention of Small Subcortical Strokes” (SPS3)**

IRB # 12377
Funding : NINDS 2 U01 NS038529-04A1 subcontract through the University of Texas Health Sciences Center at San Antonio
Principal Investigator (site)
Grant award: **\$117,000**
2003 to 2012

18. **“ A Phase I/II Randomized, placebo-controlled trial to assess the safety and efficacy if intravenous immunoglobulin G (OMR-IGGAM™) Containing high anti West Nile Virus antibody titers in patients with , or at high risk for progression to West Nile Virus (WNV) encephalitis and/or myelitis.**

IRB # 12828
Funding: NIAID TO308270010
Principal Investigator (site)
Grant Award: **\$ 247,000**
2003 to 2008

19. **“Investigation of the natural history of West Nile Virus infection in patients with or at risk for progression to West Nile Virus encephalitis and/or myelitis”**

IRB#12804
Funding: NIAID TO308270010
Principal Investigator (site)
Grant award: included in \$ 247,000 grant listed in # 18
2003 to 2008

20. **“Abciximab (ReoPro) in Acute Ischemic Stroke: A Phase III, Multinational, Multicenter, Randomized, Double-blind, Placebo-Controlled Trial” (ABESTT)**

IRB# 12842

Funding: Eli Lilly
Principal Investigator (site)
Grant award: **\$72,000**
2003 -2006

21. **“Prevention Regimen For Effectively Avoiding Second Strokes: A double-blind, active and placebo controlled study of Aggrenox vs. clopidogrel, with and without Micardis” (PROFESS)**
IRB# 12940
Funding: Boehringer Ingelheim
Co-investigator
22. **“Phase I Study of Intravenous Thrombolysis plus Hypothermia for Acute Treatment of Ischemic Stroke” (ICTUS).**
IRB# 13052
Funding: NINDS; Innercool; Genentech. P50NS044148
Principal Investigator (site)
Grant award: **\$25,000**
2004 to 2008
23. “Efficacy and Safety Study of the Oral Direct Thrombin Inhibitor H 376/95 Compared with Dose-Adjusted Warfarin in the Prevention of Stroke and Systemic Embolic Events in Patients with Atrial Fibrillation (SPORTIF V)
Subinvestigator
24. **“Randomized, Double-Blind, Placebo Controlled, Multi-Centre, Parallel Groups Confirmatory Efficacy and Safety Trial of Activated Recombinant Factor VII (NovoSeven®/Niasase®) in Acute Intracerebral Haemorrhage.”**
IRB # 13832
Funding: Novo Nordisk
Principal Investigator (site)
Grant award: **\$41,000**
2005 to 2007
25. **“Safety and Efficacy of NeuroFlo Technology in Ischemic Stroke”**
IRB # 13969
Funding: CoAxia
Principal investigator (site)
Grant award: **\$ 312,795**
2005 to 2010
26. “A Phase III Randomized Multicenter Clinical Trial of High-Dose Human Albumin Therapy for Neuroprotection in Acute Ischemic Stroke” (ALIAS)
IRB # 14260
Funding: NINDS. U01 NS40406-04
Principal investigator (site)
Grant award: pending
2006 to date 2010

27. “ASP-II (Ancrod in Stroke Program-II): A Randomized, Double-Blind, Placebo-Controlled Study of Ancrod (Viprinex™) in Subjects Beginning Treatment within 6 Hours of the Onset of Acute, Ischemic Stroke”
IRB # 14303
Funding: Neurobiological Technologies, INC
Principal investigator (site)
Grant award: \$ **53,364**
2006 to 2008
28. “Antihypertensive Treatment in Acute Cerebral Hemorrhage”
IRB # 14411
Funding: NINDS. **1RO1NS044976-01A2**
Principal investigator (site)
Grant award: \$ **55,975**
2006 to 2008
29. “Clot Lysis: Evaluating Accelerated Resolution of IntraVentricular Hemorrhage”
IRB # 14412
Funding: Food and Drug Administration. Office of Orphan Product Development
Principal investigator (site)
Grant award: pending
2006 to 2008
30. Minimally Invasive Surgery plus rt-PA for ICH Evacuation (MISTIE)
IRB # 14737
Funding: NINDS/Genentech through Johns Hopkins University
Co- Investigator
Grand award: pending
Jan 2007 to 2008
31. NeuroThera® Effectiveness and Safety Trial - 2 (NEST-2) A Double-Blind, Randomized, Controlled Parallel Group, Multicenter, Pivotal Study to Assess the Safety and Effectiveness of the Treatment of Acute Ischemic Stroke with the NeuroThera® Laser System within 24 Hours from Stroke Onset
IRB # 14721
Funding: Photothera
Principal Investigator (site)
Grand award: pending
Dec 2006 to 2008
32. Transcranial Ultrasound in clinical SONolysis (TUCSON trial). A phase 1-2 randomized, placebo controlled, open-label, dose escalation study to evaluate the safety, tolerability and activity of ascending single doses of MRX-801 with continuous ultrasound administration in subjects with acute ischemic stroke receiving treatment with intravenous tissue plasminogen activator.
Funding: ImaRx Therapeutics
IRB # 14780
Principal Investigator (site)
Grant award: pending
January 2006 to 2008

33. **MR and Recanalization of Stroke Clots Using Embolectomy (MR RESCUE). A phase 2b randomized, blinded outcome, controlled trial of embolectomy vs. medical management in 120 patients with acute stroke and randomization stratified by penumbral pattern.**
Funding: NINDS. UCLA Subaward Number 1580 G HJ617
IRB# 14854
Principal investigator (site)
Grant award: pending
June 2007 to 2012
34. **Insulin Resistance Intervention after Stroke (IRIS) Trial.** A randomized, placebo-controlled trial of pioglitazone, compared with placebo, for prevention of stroke and myocardial infarction after ischemic stroke and transient ischemic attack
Funding: NINDS (1 U01 NS 44876-01A2)
IRB # 14868
Principal Investigator (site)
Grant award: pending
May 2007 to April 2013
35. **Clot Lysis: Evaluating Accelerated Resolution Phase III” (CLEAR III)**
Funding: NINDS
IRB # 15784
Principal Investigator (site)
Grant award: pending
October 2009 to April 2013
36. “A multi-center, randomized, double-blind, assessor-blind, non-inferiority study comparing the efficacy and safety of once-weekly subcutaneous biotinylated idraparinux (SSR126517E) with oral adjusted-dose warfarin in the prevention of stroke and systemic thromboembolic events in patients with atrial fibrillation.” BOREALIS AF Study.
Funding: Sanofi-Aventis
IRB # 16008
Principal investigator (site)
Grant award:
2009-2010
37. “A Phase III Randomized Multicenter Clinical Trial of Blood Pressure Reduction for Hypertension in Acute Intracerebral Hemorrhage”
Funding: NINDS (R01 NS062091; R01 NS061861)
IRB #
Principal investigator (site)
Grand award: pending
2010 to 2013
38. **Interventional Management of Stroke (IMS III)**
Funding: NINDS
IRB#
Co Investigator (site)
2010 to 2011

39. "Platelet-Oriented Inhibition in New TIA and minor ischemic stroke"
Funding: NINDS (1U01NS026835-01A1)
IRB # 16694
Principal investigator (site)
Grand award: pending
2010 to April 2013
40. "Intravascular Cooling in the Treatment of Stroke 2/3" ICTUS 2/3 trial
Funding: NINDS (PAR-07-351)
IRB # 16676
Principal investigator (site)
Grant award: pending
2010 to March 2013
41. "A Randomized, Double-blind, Multinational Study to Prevent Major Vascular Events with Ticagrelor compared to Aspirin in Patients with Acute Ischemic Stroke or TIA [SOCRATES – Acute Stroke Or Transient Ischemic Attack TReAted with Ticagrelor or Aspirin and Patient OutcomES]"
Funding: Astra Zeneca Pharmaceuticals LP
IRB# E14092
Principal Site investigator
Award: \$6,330
2015
42. "Lone Star Stroke Consortium"
Funding: DSHS through University of Texas Health Sciences Center at San Antonio
Grant: \$96,256.30
2015 to date
43. "Optimal Delay time to initiate anticoagulation after ischemic stroke in atrial fibrillation (START)"
Funding: DSHS through Lone Star Stroke Consortium
2018 to date
44. Edoxaban for Intracranial Hemorrhage survivors with atrial fibrillation (ENRICH-AF)
Funding: Lone Star Stroke Consortium
IRB: E21033
2020

BIBLIOGRAPHY

Peer Reviewed Journal Publications

1. Diaz M, Puente R, DeHoyos LA, **Cruz-Flores S**. Itraconazole in the treatment of coccidioidomycosis. Chest 1991; 100:682-684.
2. Gomez CR, **Cruz-Flores S**, Malkoff MD, Tulyapronchote R, Malik MM. Preliminary experience with ticlopidine in clinical practice. J Stroke Cerebrovasc Dis 1994; 4:143-147.
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148. Khatri R, Vellipuram AR, Maud A, Afzal MR, Qureshi MA, Qureshi IA, Piriyaawat P, **Cruz-Flores S**. Frequency of brain death in acute cerebrovascular disease related mortality. International Stroke Conference 2018. Jan 23-26, 2018. (Los Angeles, CA)
149. G. J. Rodriguez, R. Khatri, M.R. Afzal, M.A. Qureshi A. Maud, A. R. Vellipuram, **S Cruz-Flores**. Aspirin and anticoagulant usage on outcomes after ruptured Arterial Venous Malformation (AVM): a nationwide inpatient sample analysis. 27th European Stroke Conference April 11-13, 2018 (Athens, Greece)
150. G. J. Rodriguez, M.R. Afzal, A. Maud, M. A. Qureshi I. A. Qureshi, A. R. Vellipuram, P. Piriyaawat, R. Khatri **S. Cruz-Flores**. Continued nationwide decline in stroke related in-hospital mortality in United States. 27th European Stroke Conference April 11-13, 2018 (Athens, Greece)
151. **S. Cruz-Flores**, P. Reddy, R. Khatri, A. R. Vellipuram A. Maud, M.R. Afzal, M.A. Qureshi, I. A. Qureshi P. Piriyaawat, G.J. Rodriguez. Frequency of brain death in acute cerebrovascular disease related mortality. 27th European Stroke Conference April 11-13, 2018 (Athens, Greece)
152. Qureshi, M., Ghatali, M., Foster, C., Castellon, D. A., **Cruz-Flores, S.**, & Kassir, D. X-Linked Adrenoleukodystrophy without Brain Demyelination and Absence of Endocrinological Symptoms: Low Threshold Should Be Considered for Genetic Testing. Ann Neurol 2018. 84: S224-S224. 143rd American Neurological Association Annual Meeting October 21-28, 2018 (Atlanta, GA)
153. Khatri R, Afzal MR, Vellipuram A, Maud A, **Cruz-Flores S**, Rodriguez G. Trends of patent foramen ovale closure from 2008-2014 at National level: US experience. International Stroke Conference 2019. Feb 6-8, 2019 (Honolulu HI)
154. Rawla P, Vellipuram A, Khatri R, Maud A, Rodriguez GJ, **Cruz-Flores S**. Trends in acute ischemic stroke hospitalizations by age group, length of stay, mortality and hospital costs in the United States from 2000-2014. International Stroke Conference 2019. Feb 6-8, 2019 (Honolulu HI)
155. Vellipuram A. Chaudhry MRA, Qureshi MA, Qureshi IA, Bandaru H, Ghatali M, Maud A, Kassir D, Piriyaawat P, Rodriguez GJ, **Cruz-Flores S**. National trends in utilization of deep brain stimulation

- in primary movement disorders: National Inpatient Sample Study 2006-2014. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
156. Khatri R, Chaudhry MRA, Haque SUI, Qureshi IA, Bandaru H, Vellipuram A, Piriyaawat P, Maud A, **Cruz-Flores S**, Rodriguez GJ. Effect of age in the outcomes of patient undergoing treatment of unruptured intracranial aneurysms: A study of the National Inpatient Sample 2009-2014. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
 157. Chaudhry MRA, Qureshi IA, Qureshi MA, Castellano MA, Bandaru H, Vellipuram A, Piriyaawat P, Rodriguez GJ, Khatri R, **Cruz-Flores S**. Is therapeutic hypothermia for cardiac arrest changing outcomes: A National Inpatient Sample Analysis 2008-2014. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
 158. Qureshi MA, Chaudhry MRA, Qureshi IA, Bandaru H, Haque SUI, Castellano MA, Vellipuram A, Khatri R, Maud A, Kassir D, Rodriguez GJ, **Cruz-Flores S**. National trends in utilization of therapeutic hypothermia for cardiac arrest: National Inpatient Sample study 2008-2014. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
 159. Chaudhry MRA, Qureshi MA, Qureshi IA, Bandaru H, Haque SUI, Castellano MA, Vellipuram A, Khatri R, Maud A, Rodriguez GJ, **Cruz-Flores S**. Racial differences in hospital utilization of therapeutic hypothermia among cardiac arrest patients in the United States. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
 160. Bandaru H, Chaudhry MRA, Maud A, Kassir D, Khatri R, Rodriguez GJ, Piriyaawat P, Cruz-Flores S, **Vellipuram A**. Cerebrovascular events as complication of Left ventricular Assist Device: Analysis of Nationwide Inpatient Sample (NIS) database (2005-2014). American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
 161. Chaudhry MRA, Yao J, Bandaru H, Qureshi MH, Ghatali M, Vellipuram A, Khatri R, Kassir D, Rodriguez GJ, **Cruz-Flores S**. Multiple sclerosis and neuromyelitis optica: admission trends, in hospital events, outcomes, treatment and regional differences: A study of the National Inpatient Sample 2006-2014. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
 162. Khatri R, Chaudhry MRA, Qureshi IA, Haque SUI, Bandaru H, Vellipuram A, Piriyaawat P, Maud A, **Cruz-Flores S**, Rodriguez GJ. Trends of patent foramen ovale closure from 2008-2014 at national level: US experience. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
 163. Nguyen HQ, Chaudhry MRA, Bandaru H, Vellipuram A, Maud A, Kassir D, Rodriguez GJ, Khatri R, Piriyaawat P, **Cruz-Flores S**. Impact of transthoracic echocardiogram on length of stay and hospital charges in ischemic stroke and transient ischemic attack patients in the US: Analysis of Nationwide Inpatient Sample 2006-2014. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
 164. Maud A, Carrete L, Piriyaawat P, Chaudhry MRA, Qureshi MA, Qureshi IA, Bandaru H, **Cruz-Flores S**, Rodriguez GJ, Khatri R. Systematic review of the angiographic evolution of neck residual (Class III) aneurysms. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)

165. Vellipuram A, Chaudhry MRA, Qureshi MA, Qureshi IA, Bandaru H, Ghatali M, Kassab D, Maud A, Khatri R, Piriyaawat P, Rodriguez GJ, **Cruz-Flores S**. Epilepsy surgery trends in the United States, 2009-2014. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
166. Bandaru H, Chaudhry MRA, Nguyen HQ, Vellipuram A, Kassab D, Khatri R, Maud A, Rodriguez G, Piriyaawat P, **Cruz-Flores S**. Impact of doing echocardiogram and brain MRI on length of stay and hospital charges in transient ischemic attack patients in the United States: Analysis of the Nationwide Inpatient Sample 2006-2014. American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
167. A.R. Vellipuram, M.R. Chaudhry A, A. Maud, G. Rodriguez J., P. Piriyaawat, S. **Cruz-Flores S**, R. Khatri. Cerebrovascular events as complication of Left ventricular Assist Device: Analysis of Nationwide Inpatient Sample (NIS) database (2005-2014). 5th Europeans Stroke Organization Conference May 22-24, 2019 (Milan Italy)
168. Khatri R, Chaudhry MRA, Rodriguez GJ, Piriyaawat P, **Cruz-Flores S**, Vellipuram AR, Maud A. Endovascular coiling trends and hospital characteristics for treatment of unruptured aneurysm: US experience. 5th Europeans Stroke Organization Conference May 22-24, 2019 (Milan Italy)
169. Maud A, Chaudhry MRA, Khatri R, Vellipuram AR, Piriyaawat P, **Cruz-Flores S**, Rodriguez GJ. In-Hospital Systemic Complications Following Stroke Admission: Analysis of Nationwide Inpatient Sample (NIS) Database (2005 -2014). 5th Europeans Stroke Organization Conference May 22-24, 2019 (Milan Italy)
170. Chaudhry MRA, Qureshi MA, Qureshi IA, Bandaru H, Nguyen H, Ghatali M, Vellipuram AR, Piriyaawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Trends and predictors of in-hospital mortality for status epilepticus: National Inpatient Sample Study 2005-2014. Neurocritical Care Society Annual Meeting. Oct 15-18, 2019. (Vancouver, CA)
171. Vellipuram AR, Chaudhry MRA, Qureshi MA, Qureshi IA, Bandaru H, Nguyen H, Ghatali M, Piriyaawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**, Khatri R. Effect of therapeutic hypothermia on outcomes after severe traumatic brain injury: A Nationwide Inpatient Sample analysis. Neurocritical Care Society Annual Meeting. Oct 15-18, 2019. (Vancouver, CA)
172. Nguyen H, Chaudhry MRA, Qureshi IA, Bandaru, Vellipuram AR, Piriyaawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Trends and Predictors of In-hospital Mortality for Status Epilepticus: National Inpatient Sample Study 2005-2014. American Academy of Neurology Annual Meeting April 25-May 1, 2020. (Toronto, CA)
173. Nguyen H, Chaudhry MRA, Qureshi IA, Bandaru H, Vellipuram AR, Piriyaawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Incidence and Predictors of Cerebral venous thrombosis (CVT) in pregnancy: National Inpatient Sample Study 2012-2015. American Academy of Neurology Annual Meeting April 25-May 1, 2020. (Toronto, CA)
174. Bandaru H, Nguyen H, Chaudhry MRA, Qureshi MA, Qureshi IA, Ghatali M, Piriyaawat P, Maud A, Rodriguez GJ, Vellipuram AR, **Cruz-Flores S**. Effect of Therapeutic Hypothermia on Outcomes After severe Traumatic Brain Injury: A Nationwide Inpatient Sample analysis. American Academy of Neurology Annual Meeting April 25-May 1, 2020. (Toronto, CA)

175. Qureshi M, Haque SUI, Ghumman U, Hakeem S, Gavito-Higuera J, Piriyawat P, Maud A, **Cruz-Flores S**, Vellipuram A. An unusual presentation of concomitant cervical spinal cord and cerebellar acute ischemic stroke in a patient on weight loss medications. American Academy of Neurology Annual Meeting April 25-May 1, 2020. (Toronto, CA)
176. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Do not resuscitate orders in subarachnoid hemorrhage patients. Impact on mortality. International Stroke Conference, Virtual, Mar 17-19, 2021 (accepted for presentation)
177. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Do not resuscitate orders in intracerebral hemorrhage patients. Impact on mortality. International Stroke Conference, Virtual, Mar 17-19, 2021 (accepted for presentation)
178. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Myocardial infarction and subarachnoid hemorrhage. Prevalence and impact on outcome. International Stroke Conference, Virtual, Mar 17-19, 2021 (accepted for presentation)
179. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Myocardial infarction and intracerebral hemorrhage. Prevalence and impact on outcome. International Stroke Conference, Virtual, Mar 17-19, 2021 (accepted for presentation)
180. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Trends in outcomes, length of stay and costs of hospitalization in patients with ICH. International Stroke Conference, Virtual, Mar 17-19, 2021 (accepted for presentation)
181. Sheriff S, Xu H, **Cruz-Flores S**, Fonarow GC, Matsouaka R, Xian Y, Reeves M, Smith EE, Saver JF, Schwamm LH. National Temporal Trends in Endovascular Therapy (EVT) Utilization and Outcomes According to Race and Ethnicity: Findings From Get With the Guidelines (GWTG)-Stroke. International Stroke Conference, Virtual, Mar 17-19, 2021 (accepted for presentation)
182. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Do not resuscitate orders in subarachnoid hemorrhage patients. Impact on mortality. American Academy of Neurology 2021 Annual Meeting. Virtual, Apr 17-22, 2021 (accepted for presentation)
183. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Do not resuscitate orders in intracerebral hemorrhage patients. Impact on mortality. American Academy of Neurology 2021 Annual Meeting. Virtual, Apr 17-22, 2021 (accepted for presentation)
184. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Myocardial infarction and subarachnoid hemorrhage. Prevalence and impact on outcome. American Academy of Neurology 2021 Annual Meeting. Virtual, Apr 17-22, 2021 (accepted for presentation)

185. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyaawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Myocardial infarction and intracerebral hemorrhage. Prevalence and impact on outcome. American Academy of Neurology 2021 Annual Meeting. Virtual, Apr 17-22, 2021 (accepted for presentation)
186. Chaudhry MR, Gill H, Chaudhry S, Singh B, Bandaru H, Vellipuram AR, Piriyaawat P, Maud A, Rodriguez GJ, **Cruz-Flores S**. Trends in outcomes, length of stay and costs of hospitalization in patients with ICH. American Academy of Neurology 2021 Annual Meeting. Virtual, Apr 17-22, 2021 (accepted for presentation)
187. Chaudhry MR, Kherani D, Fadah K, Chaudhry SA, Singh B, Kausar N, Ghatali M, Vellipuram AR, Piriyaawat P, Maud A, Sheriff F, Rodriguez G, **Cruz-Flores S**. Abstract WP132: National Trends In Utilization And Outcomes Of Acute Ischemic Stroke And Intracerebral Hemorrhage Patients Undergoing Gastrostomy Tube Placement. Stroke. 2022 Feb;53(Suppl_1):AWP132-. International Stroke Conference 2022.
188. Chaudhry MR, Kherani D, Fadah K, Chaudhry SA, Singh B, Kausar N, Moreno J, Ghatali M, Vellipuram AR, Maud A, Piriyaawat P., Sheriff F, Rodriguez G, **Cruz-Flores S**. Abstract TP112: Racial Differences In Palliative Care Utilization And Impact On Inpatient Mortality Length Stay And Costs Among Patients With Ischemic Stroke. Stroke. 2022 Feb;53(Suppl_1):ATP112-. International Stroke Conference 2022.
189. Chaudhry MR, Fadah K, Kherani D, Chaudhry SA, Singh B, Kausar N, Moreno J, Ghatali M, Vellipuram AR, Piriyaawat P, Gupta V, Sheriff F, Maud A, Rodriguez G, **Cruz-Flores S**. Abstract TP130: Racial Differences In Palliative Care Utilization And Impact On Inpatient Mortality Length Stay And Costs Among Patients With Intracerebral Hemorrhage. Stroke. 2022 Feb;53(Suppl_1):ATP130-. International Stroke Conference 2022.
190. Chaudhry MR, Fadah K, Kherani D, Chaudhry SA, Singh B, Kausar N, Moreno J, Ghatali M, Vellipuram AR, Gupta V, Maud A, Piriyaawat P, Sheriff F, Rodriguez G, **Cruz-Flores S**. Abstract TMP7: Racial Differences In Palliative Care Utilization And Impact On Inpatient Mortality Length Stay And Costs Among Patients With Subarachnoid Hemorrhage. Stroke. 2022 Feb;53(Suppl_1):ATMP7-. International Stroke Conference 2022.
191. Chaudhry MR, Kherani D, Fadah K, Chaudhry SA, Singh B, Kausar N, Ghatali M, Vellipuram AR, Piriyaawat P, Maud A, Sheriff F, Rodriguez G, **Cruz-Flores S**. Abstract WP132: National Trends In Utilization And Outcomes Of Acute Ischemic Stroke And Intracerebral Hemorrhage Patients Undergoing Gastrostomy Tube Placement. American Academy of Neurology 2022 Annual Meeting April 2-7, 2022. (Seattle, WA)
192. Chaudhry MR, Kherani D, Fadah K, Chaudhry SA, Singh B, Kausar N, Moreno J, Ghatali M, Vellipuram AR, Maud A, Piriyaawat P., Sheriff F, Rodriguez G, **Cruz-Flores S**. Abstract TP112: Racial Differences In Palliative Care Utilization And Impact On Inpatient Mortality Length Stay And Costs Among Patients With Ischemic Stroke. American Academy of Neurology 2022 Annual Meeting April 2-7, 2022. (Seattle, WA)
193. Chaudhry MR, Fadah K, Kherani D, Chaudhry SA, Singh B, Kausar N, Moreno J, Ghatali M, Vellipuram AR, Piriyaawat P, Gupta V, Sheriff F, Maud A, Rodriguez G, **Cruz-Flores S**. Abstract

TP130: Racial Differences In Palliative Care Utilization And Impact On Inpatient Mortality Length Stay And Costs Among Patients With Intracerebral Hemorrhage. American Academy of Neurology 2022 Annual Meeting April 2-7, 2022. (Seattle, WA)

EDUCATION AND TEACHING RESPONSIBILITIES

Extramural Invited Lectures and Presentations (Regional, National and International)

1. “Contemporary Management of Acute Stroke”, Symposium on Endovascular Treatment of Neurological Disease, Allegheny Neuroscience Institute and Central Illinois Neuroscience Foundation, November 9, 1996 (Bloomington, Ill).
2. “Current Management of Ischemic Cerebrovascular Disease” 23rd International Course on Internal Medicine July 2nd 1998. Sponsored by the Mexican Association of Internal Medicine. (Mexico City).
3. “Update in Stroke Prevention and Management”. 1999 Internal Medicine Review for Primary Care Physicians”. Missouri Chapter of the American College of Physicians and the Cape Girardeau County Area Medical Society. March 27, 1999 (Cape Girardeau, MO).
4. “Current Management of Ischemic Cerebrovascular Disease” XII International Course on Internal Medicine. Sponsored by the Association of Internal Medicine of Nuevo Leon. October 8, 1999 (Monterrey, Mex).
5. “Advances in Stroke Management Conference” Acute Management Section. Sponsored by the American Heart Association. November 5, 1999 (St. Louis, MO)
6. “Acute Ischemic Stroke Treatment”. Grand Rounds Department of Internal Medicine, John Cochran VA Hospital. June 14, 2000 (Saint Louis, MO).
7. “Intracranial Vascular Disease”. Grand Rounds, Department of Internal Medicine, Truman Medical Center and University of Missouri-Kansas City School of Medicine. September 15, 2000. (Kansas City, MO).
8. “Augenblickdiagnose in Cerebrovascular Disease” Stroke Conference. S.M.A.R.T. Department of Neurology Washington University School of Medicine. December 18, 2001 (St. Louis, MO.)
9. “Stroke: An update” Our Lady of the Snow Shrine Medical Conference, October 29, 2003. (Belleville Il).
10. “The Big Chill: Hypothermia for cardiac arrest”. Neurology for the Non neurologists. Forest Park Hospital, May 7, 2004. (Saint Louis, MO).
11. “Secondary prevention of stroke” The American Thai Physician Foundation and Saint Louis University School of Medicine. June 26-July 3, 2004. (Bangkok, Thailand)
12. “Acute ischemic stroke treatment” The American Thai Physician Foundation and Saint Louis University School of Medicine. June 26-July 3, 2004. (Bangkok, Thailand)
13. “Diagnosis and management of carotid artery stenosis” The American Thai Physician Foundation and Saint Louis University School of Medicine. June 26-July 3, 2004. (Bangkok, Thailand)

14. "Secondary headache: warning signs and evaluation" The American Thai Physician Foundation and Saint Louis University School of Medicine. June 26-July 3, 2004. (Bangkok, Thailand)
15. "Ischemic stroke: acute treatment and prevention" The American Thai Physician Foundation and Saint Louis University School of Medicine. School of Medicine Thammasath University, June 26-July 3, 2004. (Bangkok, Thailand)
16. "Correlative Neurovascular Anatomy." XI National Congress of the National Association of Cardiologist of Mexico, Oct 31- Nov 3, 2004 (Veracruz, Mex)
17. "Endovascular Treatment of Acute Ischemic Stroke." XI National Congress of the National Association of Cardiologist of Mexico, Oct 31- Nov 3, 2004 (Veracruz, Mex).
18. "Code Stroke Guidelines". Get with the Guidelines workshop. Saint Louis University Hospital (Tenet) and St. Louis City Fire Department Headquarters, February 14, 2005.
19. "Angioplasty for Intracranial Artery Stenosis. Is it ready for primetime?" Grand Rounds. Department of Internal Medicine, Division of Neurology. University of Texas in San Antonio, August 12, 2005. (San Antonio, TX)
20. "Challenges in Stroke Prevention". Conference presented at the XXIX Annual Meeting of the Mexican Academy of Neurology. October 12, 2005. (Chihuahua, Mex)
21. "Transcranial Doppler in meningitis, vasculitis and intracranial stenosis." II International Symposium in Neurosonology: Transcranial Doppler in cerebrovascular Disease. School of Medicine, Tecnológico de Monterrey and San José Hospital. April 21 and 22, 2006. (Monterrey, Mexico)
22. "Transcranial Doppler Workshop." II International Symposium in Neurosonology: Transcranial Doppler in cerebrovascular Disease. School of Medicine, Tecnológico de Monterrey and San José Hospital. April 21 and 22, 2006. (Monterrey, Mexico)
23. "Induced hypothermia in the management of neurological catastrophes." 65th Congress of the Mexican Society of Pulmonary Medicine and Thoracic Surgery (joined with the 5th Congress of the Latin-American Association of Thorax and the 14th Congress of the South-American Association of Thorax). July 3-7, 2006. (Cancun Mex)
24. "Neurological Monitoring of the Mechanically Ventilated Patient." 65th Congress of the Mexican Society of Pulmonary Medicine and Thoracic Surgery (joined with the 5th Congress of the Latin-American Association of Thorax and the 14th Congress of the South-American Association of Thorax). July 3-7, 2006. (Cancun Mex)
25. "Stroke: Current therapeutic options." Spring 2007 Meeting Association of Physicians of Pakistani Descent of North America. March 30, 2007 (St. Louis, MO)
26. "Update in Stroke" 2008 Missouri Chapter Scientific Meeting 'Update in Internal Medicine.' American College of Physicians. September 11-14, 2008 (Lake of the Ozark, MO)

27. "Keep it low, keep it high: How should blood pressure be treated during acute stroke." Grand Rounds, Department of Neurology, University of Missouri at Columbia. February 4, 2009 (Columbia, MO)
28. "Neurological examination," "Epilepsy, status epilepticus, and other paroxysmal disorders," "Sleep disorders." Neurology for Non Neurologists. Medical Education Resources. February 13-15, 2009 (Breckenridge, CO)
29. "Diagnosis and Treatment of Acute Ischemic Stroke." XXV Congreso Internacional de Medicina. Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM). April 25-29, 2009 (Monterrey, Mex).
30. "Telestroke: Models of Collaboration for Stroke Care." for Telemedicine and Stroke Care Myths & Barriers: Shattered. American Heart Association and Missouri Telehealth Network. May 13, 2009.
31. "Rural Stroke Systems of Care." American Heart Association and Great Lakes Regional Stroke Network. June 11, 2009 (Springfield, IL)
32. "Management of acute ischemic stroke: intravenous thrombolysis." Simposio Médico Neurología y Neurocirugía. Actualidades y Perspectivas de las Neurociencias. Instituto Tecnológico de Estudios Superiores de Monterrey (ITESM). October 24-26, 2009 (Monterrey, Mex)
33. "Thrombolysis for acute ischemic stroke: from bench to bedside." XXV Congreso de Investigación Biomédica." Hospital Universitario Universidad Autónoma de Nuevo León (UANL). October 1-3, 2009 (Monterrey, Mex)
34. "Acute Stroke Intervention: The Evidence". Grand Rounds. Department of Internal Medicine. St. Mary's Hospital SSM. November 5, 2009 (St. Louis, MO)
35. "Acute Stroke Intervention: The Evidence". Grand Rounds. Department of Internal Medicine. St. Lukes Hospital. January 5, 2010 (St. Louis, MO)
36. "Transient ischemic attack: epidemiology, natural history and treatment." Grand Rounds, Department of Neurology, University of Missouri at Columbia. August 4, 2010 (Columbia, MO)
37. "Transient Ischemic Attack". Stroke Education Conference. St. Lukes Hospital. September 22, 2010 (St. Louis, MO)
38. "Neurocritical care of cerebrovascular disease." LXX Annual Congress Sociedad Mexicana de Neumología y Cirugía de Torax. April 28, 2011 (Puebla, Pue, Mexico)
39. "Brain Death." LXX Annual Congress Sociedad Mexicana de Neumología y Cirugía de Torax. April 29, 2011 (Puebla, Pue, Mexico)
40. "Neurological monitoring in the ICU." LXX Annual Congress Sociedad Mexicana de Neumología y Cirugía de Torax. April 29, 2011 (Puebla, Pue, Mexico)
41. "Race-Ethnic Disparities in Stroke Care: The American Experience." Presented at the session Defending the Guidelines. Cruz-Flores S on behalf the writing group. 36th Annual International Stroke Conference, February 1-3, 2012. (New Orleans, LA)

42. "Termoregulation and therapeutic hypothermia in the neurological patient" 1st Regional and International Congress on "The Care of the Critically Ill Neurological Patient" May 3-5, 2012. (Mazatlan, Sinaloa, Mexico)
43. "Controversial indications of hypothermia" 1st Regional and International Congress on "The Care of the Critically Ill Neurological Patient" May 3-5, 2012. (Mazatlan, Sinaloa, Mexico)
44. "Monitoring and complications in therapeutic hypothermia" 1st Regional and International Congress on "The Care of the Critically Ill Neurological Patient" May 3-5, 2012. (Mazatlan, Sinaloa, Mexico)
45. "Multimodal monitoring in cerebrovascular disease" 1st Regional and International Congress on "The Care of the Critically Ill Neurological Patient" May 3-5, 2012. (Mazatlan, Sinaloa, Mexico)
46. "Tobacco and cerebrovascular disease". XLV Venezuelan Congress of Cardiology by the Venezuelan Society of Cardiology July 18-21, 2012 (Maracaibo, Zulia, Venezuela)
47. "Atrial fibrillation and stroke". XLV Venezuelan Congress of Cardiology by the Venezuelan Society of Cardiology July 18-21, 2012 (Maracaibo, Zulia, Venezuela)
48. "Early approach to acute stroke; the first few hours." XII Annual Meeting of the Asociación Mexicana de Enfermedad Vascular Cerebral (AMEVASC). Aug 23-25, 2012 (Tuxtla Gutierrez, Chiapas, Mexico)
49. "Intracranial hypotension." XXXIX Annual Meeting Asociación Mexicana de Medicina Crítica y Terapia Intensiva. October 22-27, 2012 (Leon Guanajuato, Mex)
50. "Subarachnoid hemorrhage; an update" XXXIX Annual Meeting Asociación Mexicana de Medicina Crítica y Terapia Intensiva. October 22-27, 2012 (Leon Guanajuato, Mex)
51. "Status epilepticus; current concepts" XXXIX Annual Meeting Asociación Mexicana de Medicina Crítica y Terapia Intensiva. October 22-27, 2012 (Leon Guanajuato, Mex)
52. "The diagnosis of brain death" XXXIX Annual Meeting Asociación Mexicana de Medicina Crítica y Terapia Intensiva. October 22-27, 2012 (Leon Guanajuato, Mex)
53. "TIA and Mild Stroke: definition and current concepts." XXXVI Annual Meeting Mexican Academy of Neurology. Nov 5-10, 2012 (Cancun Mexico)
54. "Stroke Center; an update" XXXVI Annual Meeting Mexican Academy of Neurology. Nov 5-10, 2012 (Cancun Mexico)
55. "Neurocritical care of cerebrovascular disease" XXXVI Annual Meeting Mexican Academy of Neurology. Nov 5-10, 2012 (Cancun Mexico)
56. "Hypothermia for neurological disease" Symposium on Hypothermia after resuscitation from Cardiac Arrest. School of Medicine, Thammasat University, October 2013 (Bangkok, Thailand)
57. "Neurocritical care of cerebrovascular disease" Department of Neurology, Bumrungrad International Hospital, October 2013, (Bangkok Thailand)

58. “Neurocritical care of cerebrovascular disease” XIII Annual Meeting of the Asociación Mexicana de Enfermedad Vascular Cerebral (AMEVASC). Aug 21-25, 2013 (Toluca, Mexico)
59. “Triage of multiple trauma” XL Annual Meeting Colegio Mexicano de Medicina Critica (COMMEC). October 21-25 2013(Puerto Vallarta, Jal, Mex)
60. “Intravenous vs endovascular thrombolysis for acute ischemic stroke” XL Annual Meeting Colegio Mexicano de Medicina Critica (COMMEC). October 21-25, 2013 (Puerto Vallarta, Jal, Mex)
61. “Race, Environment and Stroke: US and Latin America”. Joint Session AHA and Sociedad Mexicana de Cardiología. Scientific Sessions, November 20, 2013 (Dallas, Tx)
62. “Top ten neuro-ophthalmological diagnoses you can’t afford to miss.” 2014 Mid-Winter Medicine Update by Lincoln County Medical Center and Presbyterian Healthcare Services. February 21-23, 2014 (Ruidoso, NM)
63. “Neurocritical care of stroke” Symposium: Stroke: Navigating the Path. Seton Brain & Spine Institute and UT Southwestern Clinical Research Institute of Austin and Lone Star Stroke. June 26-27, 2014 (Austin Tx)
64. “Neurology in the 21st Century: why still matters”. Texas Tech University Health Sciences Center, Lubbock. August 21, 2014 (Lubbock, Tx)
65. “Functional Symptoms in Neurological Practice” 35th Annual SWAHAP Medical Congress. South West Association of Hispanic American Physicians, Nov 7-8, 2014 (El Paso, TX)
66. “Disparities in stroke care” NIH Academy, Office of Intramural Training & Education Office of the Director National Institutes of Health, March 25, 2015 (Bethesda, MD)
67. “Subarachnoid Hemorrhage” World Stroke Academy/WSO. XIX Congress Iberoamerican Society of Stroke. June 15-18, 2016 (Monterrey ,Mex)
68. “Cerebrovascular disease in Latin America” XIX Congress Iberoamerican Society of Stroke. June 15-18, 2016 (Monterrey ,Mex)
69. “Pearls in critical care management of Intracerebral hemorrhage” XIX Congress Iberoamerican Society of Stroke. June 15-18, 2016 (Monterrey ,Mex)
70. “The Declaration of Santiago: A Road Map to Improve Stroke Care in Latin America” International Stroke Conference. February 22-24, 2017 (Houston, Tx)
71. “Tips en la prevencion secundaria del ACV”. XX Congreso de la Sociedad IberoAmericana de Enfermedad Cerebrovascular. June 7-9, 2017(La Paz, Bolivia)
72. “ What is a stroke” Simposio Regional de Accidente Cerebro Vascular. World Stroke Organization and American Heart Association, June 11 and 12, 2017. (Buenos Aires Argentina)
73. “ Stroke Networks” Simposio Regional de Accidente Cerebro Vascular. World Stroke Organization and American Heart Association, June 11 and 12, 2017. (Buenos Aires Argentina)

74. Neurocritical care case discussion. International Congress of Interventional Neurology. October 27-28, 2017. (New Delhi, India)
75. "Intracerebral Hemorrhage in the ICU: ICP and EVD management" International Congress of Interventional Neurology. October 27-28, 2017 (New Delhi, India)
76. "Terapia Intensiva Neurovascular." XLI Reunion Annual de la Academia Mexicana de Neurologia. Oct 31-Nov 5, 2017. (Veracruz, Mexico)
77. "Neurocritical care of Intracerebral hemorrhage." Fundacion de la Lucha Contra las Enfermedades Neurológicas de la Infancia (FLENI), November 27, 2017 (Buenos Aires, Argentina)
78. "All the neurologist needs to know about neurocritical care." 54th Congreso Argentino de Neurologia. Nov 28-Dec 1, 2017. (Mar del Plata, Argentina)
79. "How do I approach a stroke patient." 54th Congreso Argentino de Neurologia. Nov28-Dec 1, 2017. (Mar del Plata, Argentina)
80. "Reversible Cerebral Vasoconstriction Syndrome," 54th Congreso Argentino de Neurologia, Nov 28-Dec 1, 2017. Mar del Plata, Argentina)
81. "Addressing social determinants of stroke: Pan American Health Organization perspective" AHA/ASA and Pan American health Organization joint symposium: Social determinants of stroke in Latin America". International Stroke Conference 2018. Jan 23-26, 2018. (Los Angeles, CA)
82. "Addressing racial and ethnic disparities in stroke care: Pre hospital and acute care perspective". Minorities and Stroke Mini Symposium (AHA/ASA and American Academy of Neurology Joint Session). International Stroke Conference 2018. Jan 23-26, 2018. (Los Angeles, CA)
83. "Cost effective stroke interventions in Low and Middle income countries" (an AHA/ASA and World Health Organization Joint symposium). **Moderator**. International Stroke Conference 2019. Feb 6-8, 2019 (Honolulu HI)
84. "Case Study 3: Futility". Case Studies: Ethical Conundrums in Neurology. (Head Talks). American Academy of Neurology Annual Meeting. May 4-10, 2019 (Philadelphia, PA)
85. "Actualidad en el manejo de la presión arterial en la hemorragia intracerebral. XXII Congreso de la Sociedad Iberoamericana de Enfermedades Cerebrovasculares. June 13-14, 2019. San Jose, Costa Rica
86. "When a difference becomes disparity". Addressing Disparities in Stroke Care and Outcomes. Invited Symposium. International Stroke Conference 2020. Feb 18-21, 2020 (Los Angeles, CA)
87. "Racial Disparities and Social Determinants of Health in Stroke Care". Grand Rounds, Department of Neurology, Duke University. October 7, 2020 (virtual)
88. "Racial Disparities in Stroke Care: Persistent issues and a Call to action" Navigating Stroke: A virtual educational series. Minnesota Stroke Association. October 28, 2020 (virtual)

89. “Racing to a greater life expectancy by 2030: Is racism a tangible target to achieve cerebrovascular equity”. Panel discussion member. International Stroke Conference 2021. Mar 17-19, 2021
90. “HEADS Up Symposium”. International Stroke Conference 2021. Mar 17-19, 2021
91. Mini Symposium. COVID -19 Cases. “Neurological complications of COVID-19”. E-Zoommit Respiatorio 2021 “El Pandemonium: COVID-19 y la Neumología”. Sociedad Mexicana de Neurología y Cirugía de Torax. June 5-13, 2021
92. “Neurocritical care of intracerebral hemorrhage” XXVII Congreso Peruano de Neurología Virtual. Block: World Federation of Neurology. June 24-26, 2021.
93. “Neurocritical care of stroke” Curso Virtual XX Reunion Anual. Asociacion Mexicana de Enfermedad Vascular Cerebral. October 9, 2021
194. Leveraging Inclusion to Mitigate Bias in times of crises. AAN Leadership University (Panel discussion). American Academy of Neurology 2022 Annual Meeting April 2-7, 2022. (Seattle, WA)
195. Approaches to conflict resolution in an academic department. AAN Leadership University (panel discussion) American Academy of Neurology 2022 Annual Meeting April 2-7, 2022. (Seattle, WA)
196. Developing your leadership journey: The different pathways to becoming chair. AAN Leadership University Panel discussion. American Academy of Neurology 2022 Annual Meeting April 2-7, 2022. (Seattle, WA)
197. “Brain death exam and accommodation to family’s requests” Debate. On Ethical Conundrums in Neurology Head Talks series. American Academy of Neurology 2022 Annual Meeting April 2-7, 2022. (Seattle, WA)
198. “Management of blood pressure after thrombectomy” Cuidados Neurocriticos Session in Spanish. American Academy of Neurology Virtual Meeting, April 24, 2022

Intramural Presentations

Department of Neurology Grand Rounds

1. “Surgical Alternatives in the Treatment of Acute Stroke”. Grand Rounds. Department of Neurology. Saint Louis University School of Medicine. October 9, 1997 (St. Louis, MO).
2. “Evidence-Based Medicine: The Case of Stroke Neurology”. Grand Rounds. Department of Neurology Saint Louis University School of Medicine. January 7, 1999 (St. Louis, MO.)
3. “Stroke Neurology: Beyond the “Best Evidence”. Grand Rounds Department of Neurology, Saint Louis University School of Medicine. January 20, 2000 (St. Louis, MO).
4. “Augenblickdiagnose” Grand Rounds. Department of Neurology Saint Louis University School of Medicine. November 8, 2001 (St. Louis, MO.)
5. “Fleas, Lice and the work up of stroke” Grand Rounds. Department of Neurology Saint Louis University School of Medicine. November 14, 2002 (St. Louis, MO)

6. “Medical Decision Making: Risk and Uncertainty” Grand Rounds. Department of Neurology Saint Louis University School of Medicine. October 23, 2003 (St. Louis, MO)
7. “Stroke 2004: Top Ten Practice Changing Studies.” Grand Rounds. Department of Neurology Saint Louis University School of Medicine. January 27, 2005 (St. Louis, MO)
8. “Angioplasty for Intracranial Artery Stenosis. Is it ready for primetime?” Grand Rounds. Department of Neurology Saint Louis University School of Medicine. October 27, 2005 (St. Louis, MO)
9. “Between Scylla and Caribdis: Balancing risks and benefits of interventions” Grand Rounds. Department of Neurology. Saint Louis University School of Medicine. March 29, 2007 (St. Louis, MO)
10. “Stroke and the Heart” Grand Rounds. Department of Neurology. Saint Louis University School of Medicine. January 17, 2008 (St. Louis, MO)
11. “When the Brain Dies First” Grand Rounds “History of Neurology” series. Department of Neurology & Psychiatry. Saint Louis University School of Medicine. June 26, 2008 (St. Louis, MO)
12. “Keep it low, keep it high: How should blood pressure be treated during acute stroke.” Grand Rounds, Department of Neurology & Psychiatry, Saint Louis University School of Medicine. February 12, 2009 (St. Louis, MO)
13. “Clinical Equipoise and the Ethics of Clinical Research.” Grand Rounds, Department of Neurology & Psychiatry, Saint Louis University School of Medicine. January 7, 2010 (St. Louis, MO)
14. “Patient centered-care: Choice, informed decision and health literacy.” Grand Rounds, Department of Neurology & Psychiatry, Saint Louis University School of Medicine. July 5, 2012 (St. Louis, MO)
15. “Brain Death: Controversies and Legal Challenges” Grand Rounds, Department of Neurology, Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso, Nov 13, 2020 (El Paso, Tx)

Invited Intramural Departmental Grand Rounds

16. “Update in Stroke Prevention and Treatment”. Grand Rounds Geriatric Medicine, Department of Internal Medicine, Saint Louis University School of Medicine, March 7, 2001. (St. Louis, MO).
17. “Should carotid stenosis always be corrected?” Grand Rounds . Department of Anesthesia. Saint Louis University School of Medicine. May 24, 2006 (St. Louis, MO)
18. “Top Five of 2006-2007 in Stroke Neurology” Grand Rounds, Department of Internal Medicine. John Cochran VA Hospital. October 17, 2007 (St. Louis, MO)
19. “Update in Stroke” Division of Vascular Surgery, Department of Surgery. Saint Louis University. April 2, 2008 (St. Louis, MO)

20. "Approach to the patient with Stroke" Internal Medicine. John Cochran VA Hospital. July 25, 2008 (St. Louis, MO)
21. "Unexplained Neurological Symptoms in Neurology Practice" Grand Rounds, Department of Internal Medicine. John Cochran VA Hospital. August 18, 2008 (St. Louis, MO)
22. "Approach to the patient with Stroke" Internal Medicine. John Cochran VA Hospital. July 9, 2009 (St. Louis, MO)
23. "Evaluation and treatment of acute ischemic stroke" Cardiology Division. Internal Medicine. Saint Louis University School of Medicine. July 30, 2009 (St. Louis, MO)
24. "Acute Stroke Intervention: The Evidence". Cardiology Division. Internal Medicine. Saint Louis University School of Medicine. December 10, 2009 (St. Louis, MO)
25. "Cerebrovascular Issues in Pregnancy and Women." Grand Rounds, Department of Obstetrics and Gynecology, Saint Louis University School of Medicine, St. Mary's Hospital SSM. January 8, 2010 (St. Louis, MO)
26. "Brain and Heart Interactions." Cardiology Division. Internal Medicine. Saint Louis University School of Medicine. February 19, 2010
27. "An Update in Acute Stroke Treatment." Emergency Medicine Grand Rounds. Saint Louis University School of Medicine. August 10, 2010.
28. "Ethical and Clinical Challenges in Brain Death." Surgery Grand Rounds, Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center at El Paso. November 21, 2013
29. "The Neurologic Method in the 21st Century: why still matters". Internal Medicine Grand Rounds, Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center at El Paso. November 26, 2014
30. "Neurocritical care of hemorrhagic stroke" Texas Education Critical Care Series (TECCS). Texas Tech University Health Sciences Center at El Paso, University Medical Center of El Paso, April 30, 2015
31. "Leukoaraiosis and small vessel disease and why you should care" Internal Medicine Grand Rounds. Texas Tech University Health Sciences Center El Paso, November 16, 2016 (El Paso, Tx)
32. "The Conversation; prognostication, uncertainty and decision making at the end of life" Neurology Grand Rounds. Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. September 25, 2021 (El Paso, Tx)
33. "Ethical Issues on Allocation of Scarce Resources during a Pandemic" University Medical Center of El Paso/Texas Tech University Health Sciences Center El Paso. July 10, 2020 and Aug 28, 2021 (El Paso, Tx)

34. “Brain Death: Controversies and Legal Challenges” Trauma Grand Rounds, Department of Surgery, Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso, Nov 19, 2020 (El Paso, Tx)
35. “Brain Death: Controversies and Legal Challenges” Grand Rounds, Department of Internal Medicine, Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso, Nov 25, 2020 (El Paso, Tx)

Invited Intramural Practical Anatomy Workshop Courses

Hands on Course in Clinical Neuroanatomy, Neurology and Neurosurgery

36. “Coma” Hands on Course in Clinical Neuroanatomy, Neurology and Neurosurgery, sponsored by St. Louis Metropolitan Medical Society and Saint Louis University School of Medicine September 11-20, 1998. (St. Louis, MO).
37. “Hemorrhagic Stroke”. Hands on Course in Clinical Neuroanatomy, Neurology and Neurosurgery, sponsored by St. Louis Metropolitan Medical Society and Saint Louis University School of Medicine September 11-20, 1998. (St. Louis, MO).
38. “Topics in Neurocritical Care”. Hands on Course in Clinical Neuroanatomy, Neurology and Neurosurgery, sponsored by St. Louis Metropolitan Medical Society and Saint Louis University School of Medicine September 11-20, 1998. (St. Louis, MO).
39. “Acute Central Nervous System Infections”. Hands on Course in Clinical Neuroanatomy, Neurology and Neurosurgery, sponsored by St. Louis Metropolitan Medical Society and Saint Louis University School of Medicine September 11-20, 1998. (St. Louis, MO).
40. “Coma” Hands on Course in Clinical Neuroanatomy, Neurology and Neurosurgery, sponsored by St. Louis Metropolitan Medical Society and Saint Louis University School of Medicine October 3 1999. (St. Louis, MO)
41. “Acute Central Nervous System Infections”. Hands on Course in Clinical Neuroanatomy, Neurology and Neurosurgery, sponsored by St. Louis Metropolitan Medical Society and Saint Louis University School of Medicine October 2, 1999 (St. Louis, MO).
42. “Hemorrhagic Stroke”. Hands on Course in Clinical Neuroanatomy, Neurology and Neurosurgery, sponsored by St. Louis Metropolitan Medical Society and Saint Louis University School of Medicine October 1, 1999 (St. Louis, MO).

Hands on Course in Cerebral Revascularization

43. “Cerebrovascular Physiology”. Cerebral Revascularization Course. Practical Anatomy Workshop and Saint Louis University, January 19-21, 2001. (St. Louis, MO).
44. Intracranial Vascular Occlusive Disease: Is there a role for Surgical Treatment? 2nd International Symposium and Hands-On Course on Cerebral Revascularization. Practical Anatomy Workshop and Saint Louis University, November 30-December 2, 2001. (St. Louis, MO)
45. “Neurology: An update”. Practical Anatomy Workshop. Saint Louis University PAWS. October 25, 2003. (St. Louis, MO).

Neurology Review for Internal Medicine Board Review

46. Internal Medicine Board Review on Neurology, Departments of Internal Medicine and Neurology. Saint Louis University Hospital. June 5, 1997 and June 12, 1997.
47. Internal Medicine Board Review on Neurology, Departments of Internal Medicine and Neurology. Saint Louis University Hospital. June 2, 1998.
48. Internal Medicine 2000: Board review and Re-certification Update (Neurology review). Department of Internal Medicine, Saint Louis University School of Medicine May 17, 2000. (St. Louis, MO).
49. Internal Medicine 2001: Board review and Re-certification Update (Neurology review). Department of Internal Medicine, Saint Louis University School of Medicine June 20, 2001. (St. Louis, MO).

Symposia

50. "Thrombolytic Therapy for Ischemic Stroke". "Neurology in the New Millennium". Saint Louis University School of Medicine. October 20, 2000. (St. Louis, MO).
51. "Anticoagulation: warfarin and newer anticoagulants in stroke prevention". Secondary Stroke Prevention Symposium. Saint Louis University School of Medicine. June 12, 2004. (St. Louis, MO).
52. "The Role of Telemedicine in Acute Stroke Triage". Presented at the "Acute Stroke and Cerebrovascular Interventions" Seminar. Saint Louis University School of Medicine and School of Nursing. May 3, 2008 (St. Louis, MO).
53. "Neuroimaging in Acute Stroke". Presented at the "Acute Stroke and Cerebrovascular Interventions" Seminar. Saint Louis University School of Medicine and School of Nursing. May 3, 2008 (St. Louis, MO).
54. "Telemedicine and Access to Stroke Care." Presented at the "Stroke Network Symposium". Saint Louis University Hospital Tenet and Saint Louis University School of Medicine. July 22, 2008. (St. Louis, MO).
55. "Intracerebral Hemorrhage: Is there light at the end of the tunnel?" Presented at the "Acute Stroke and Cerebrovascular Interventions" Symposium. Saint Louis University School of Medicine. May 30, 2009. (St. Louis, MO).
56. "Update on Acute Ischemic Stroke Interventions." Presented at "Mid America Stroke Network Symposium" Saint Louis University School of Medicine and Saint Louis University Hospital. October 6, 2009 (St. Louis, MO)
57. "Neurological and Psychiatric Issues in Cerebrovascular Disease." Symposium Co-Director. Department of Neurology & Psychiatry, Saint Louis University School of Medicine. October 23, 2009 (St. Louis, MO).
58. "Transient Ischemic Attacks. Epidemiology, natural history and treatment." First Brain Trust Neuroscience Symposium. Saint Louis University School of Medicine and Saint Louis University Hospital. March 26-27, 2010 (Branson, MO)

59. "First Brain Trust Neuroscience Symposium." Symposium Co-Director. Saint Louis University School of Medicine and Saint Louis University Hospital. March 26-27, 2010 (Branson, MO)
60. "Management of Carotid Artery Stenosis" Presented at the "3rd Acute Stroke and Cerebrovascular Interventions" Symposium. Saint Louis University School of Medicine. June 12, 2010. (St. Louis, MO).
61. "Intracranial artery stenting should be done within the context of a clinical trial" (Debate) presented at the "3rd Acute Stroke and Cerebrovascular Interventions" Symposium. Saint Louis University School of Medicine. June 12, 2010. (St. Louis, MO).
62. "Neurocritical care of cerebrovascular disorders" Second Brain Trust Neuroscience Symposium." Symposium Co-Director. Saint Louis University School of Medicine and Saint Louis University Hospital. April 1 and 2, 2011 (Branson, MO)
63. "What's up in cardioembolic stroke" Second Brain Trust Neuroscience Symposium." Symposium Co-Director. Saint Louis University School of Medicine and Saint Louis University Hospital. April 1 and 2, 2011 (Branson, MO)
64. "The State of the Union (MASN)" presented at the "4th Acute Stroke and Cerebrovascular Interventions" Symposium. Saint Louis University School of Medicine. June 3, 2011. (St. Louis, MO).
65. "There is NO shortage of stroke interventionalists" (debate) presented at the "4th Acute Stroke and Cerebrovascular Interventions" Symposium. Saint Louis University School of Medicine. June 3, 2011. (St. Louis, MO).
66. "Intracranial stenting debate: When I would refer for stenting" 5th Acute Stroke and Cerebrovascular Interventions" Symposium. Saint Louis University School of Medicine. Sep 14-15, 2012. (St. Louis, MO).
67. "The evolution of stroke care in St Louis Region: The impact of TCD and advantage of effective triage" 5th Acute Stroke and Cerebrovascular Interventions" Symposium. Saint Louis University School of Medicine. Sep 14-15, 2012. (St. Louis, MO).
68. "Screening and diagnosis of blunt cerebrovascular injuries" 14th Annual Rio Grande Trauma Conference and Pediatric Update. Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center at El Paso. December 5-6, 2013 (El Paso, Tx)
69. **Director** for "First Symposium, Neurology for Non-Neurologist Symposium" Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. May 9, 2014, El Paso Tx
70. "Functional Symptoms in Neurological Practice" First Symposium, Neurology for Non Neurologists. Department of Neurology Texas Tech University Health Sciences Center at El Paso, May 9, 2014 (El Paso, TX)

71. "Approach to the patient in coma" 2nd Annual Clinical Simulation Conference of West Texas, Texas Tech University Health Sciences Center at El Paso, University Medical Center of El Paso, TTUHSCEP Center for Advanced Teaching and Assessment in Clinical Simulation. October 9-11, 2014 (El Paso, TX)
72. **Director** for "2nd Annual Symposium, Neurology for Non-Neurologist Symposium" Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. May 29, 2015, El Paso Tx
73. "First seizure ever: Do's and Do not's" 2nd Annual Symposium Neurology for Non-Neurologists. Texas Tech University Health Sciences Center at El Paso. May 29, 2015 (El Paso, Tx)
74. **Co-Director** Current Trends in Stroke and Cardiac Care Conference. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. May 15, 2015. (El Paso Tx)
75. "Mild and rapidly resolving stroke; to thrombolize or not?" Stroke and Cardiac Conference. Texas Tech University Health Sciences Center at El Paso, University Medical Center of El Paso. May 15, 2015 (El Paso, Tx)
76. **Co-Director** Current Trends in Stroke and Cardiac Care Conference. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. April 1, 2016. (El Paso Tx)
77. "Management of intracranial hemorrhage secondary to anticoagulants." Current Trends in Stroke and Cardiac Care Conference. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. April 1, 2016. (El Paso Tx)
78. "Re-starting anticoagulation after intracranial hemorrhage" Current Trends in Stroke and Cardiac Care Conference. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. April 1, 2016. (El Paso Tx)
79. **Director** "3rd Neurology for Non-Neurologist Symposium" Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. May 27, 2016, (El Paso Tx)
80. "Does this patient have Parkinson's disease" "Neurology for Non-Neurologist Symposium" Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. May 27, 2016, El Paso, TX
81. "Prognostication in non-traumatic coma" 17th Annual Rio Grande Trauma Conference and Pediatric Update. Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center at El Paso. December 1-2, 2016 (El Paso, Tx)
82. **Director** "4th Neurology for Non-Neurologist Symposium" Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. April 21, 2017, (El Paso Tx)
83. "Approach to the dizzy patient" "4th Annual Symposium Neurology for Non-Neurologist Symposium" Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. April 21, 2017, (El Paso, TX.)

84. **Co-Director** 3rd Current Trends in Stroke and Cardiac Care Conference. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. Nov 17, 2017. (El Paso Tx)
85. **Director** “5th Neurology for Non-Neurologist Symposium” Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. April 6, 2018, (El Paso Tx)
86. **Co-Director**, 4th Current Trends in Stroke and Cardiac Care Conference. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. January 24, 2019. (El Paso Tx)
87. **Director**, “6th Neurology for Non-Neurologist Symposium” Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. April 12, 2019 (El Paso Tx)
88. “Eye signs of brain disease” “Neurology for Non-Neurologist Symposium” Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. April 12, 2019, El Paso Tx.
89. **Co-Director**, 5th Current Trends in Stroke and Cardiac Care Conference. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. March 6-7, 2020. (El Paso Tx)
90. “Brain and Heart Interaction.” 5th Current Trends in Stroke and Cardiac Care Conference. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. March 6-7, 2020. (El Paso Tx)

Course for PhD Physical Therapy. School of Allied Health

91. “Basic Neuroimaging” Course for PhD Physical Therapy. School of Allied Health, Saint Louis University. April 1, 2005
92. “Stroke Prevention and Treatment” Left Brain vs Right brain Stroke. SSM Rehab and Saint Louis University School of Medicine. Allied Health Sciences Building. February 25, 2006 (St. Louis, MO)
93. “Practical Neuroimaging.” Lecture for PhD Physical Therapy students. School of Allied Health Sciences, Saint Louis University. April 13, 2007

Chronic Disease Epidemiology. School of Public Health

94. “Stroke: The public health perspective.” Invited lecture for the course “Chronic Disease Epidemiology” School of Public Health, Saint Louis University. October 31, 2005
95. “Stroke: The public health perspective.” Invited lecture for the course “Chronic Disease Epidemiology” School of Public Health, Saint Louis University. October 30, 2006
96. “Stroke: The public health perspective.” Invited lecture for the course “Chronic Disease Epidemiology” School of Public Health, Saint Louis University. February 19, 2009
97. “Stroke: The public health perspective.” Invited lecture for the course “Chronic Disease Epidemiology” School of Public Health, Saint Louis University. February 16, 2010

Saint Louis University Hospital Emergency Medical Services Education Series

98. “Medical Management of the Stroke Patient” and “Community Health Fair” Lectures for “Care of the Stroke Patient” Saint Louis University Hospital Emergency Medical Services Outreach Education Massac Memorial Hospital Metropolis, Illinois October 13, 2006
99. “Stroke Scale & Pre-Hospital Assessments.” Lecture for the course “Pre-hospital Stroke Care” Saint Louis University Hospital Emergency Medical Services Education Series, December 6 and 8 2006

Neuroscience II Course

100. Neuroscience II Course, Department of Anatomy and Neurobiology. Saint Louis University School of Medicine. Group Leader, Stroke Workshop. January 1996 to 2008.
101. Neuroscience II, Department of Neurology, Saint Louis University School of Medicine. “Practical Neuroimaging: Case Discussion”. September 1999 to date.
102. Neuroscience II, Department of Neurology, Saint Louis University School of Medicine. “Cerebrovascular Disorders”, 1999 to 2008.
103. Neuroscience II, Department of Neurology & Psychiatry, Saint Louis University School of Medicine. “Physiology of Cerebral Blood Flow”, September 2007 to date

Neuroscience Course

104. Work Case Scenarios, on Headache, Stroke, Coma. Department of Medical Education, Paul L Foster School of Medicine. Texas Tech University Health Sciences Center El Paso. 2013 to date
105. Delirium and Coma Scheme. Department of Medical Education, Paul L Foster School of Medicine. Texas Tech University Health Sciences Center El Paso. 2016 to date

Neurology Clerkship

106. Pointers in the Neurological Exam. Department of Neurology, Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. 2015 to date
107. Movement disorders. Department of Neurology, Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. 2015 to date

Patient, Physician and Society Course

108. Physical Diagnosis Course for Second Year Medical Students on Neurological Examination. Group Leader; Saint Louis University School of Medicine. July, 1995 to 1999.
109. Patient, Physician and Society Course Lecture for Second Year Medical Students on Approach to the Neurological Patient. August 19, 1998

Neuroscience IV Course

110. Neuroscience IV, Department of Neurology. Saint Louis University School of Medicine. Neurologic Localization. July 1996 -1997.
111. Neuroscience IV, Department of Neurology. Saint Louis University School of Medicine. “Practical Neuroimaging”. July 1998 to 2008.

112. Stroke and Neurocritical Care Service inpatient attending 3-4 months/ year teaching rounds average 3 hours a day during those months

Neurology Residency Noon Conference

113. Noon Conference for Neurology Residents, Department of Neurology. Saint Louis University Hospital. On Cerebrovascular diseases, Neurologic intensive care, and Neuroimaging. July 1995 to date.

114. Noon Conference for Internal Medicine Residents, Departments of Internal Medicine and Neurology. Saint Louis University Hospital. On Acute Confusional States, and on Cerebrovascular Diseases. September 1995 to 2000.

Stroke Conference

115. Monthly conference on cerebrovascular diseases with stroke section faculty, fellows and students. 2003 to 2013

Combined Critical Care Conference

116. Monthly conference with critical care anesthesia, neurosurgery, and neurology. 2006 to 2013

Neurology/Neuroradiology/Neurosurgery

117. Combined weekly conference. Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso started in 2014 to date

118. Neuro Tumor Board. University Medical Center of El Paso and Paul L Foster School of Medicine, Texas Tech University Health Sciences Center El Paso. Monthly started August 2020 to date

Mentorship and Fellows trained

Clinical fellows

- | | |
|-----------------------------|---|
| 1. Sombat Muengtawepong, MD | Vascular Neurology and Neurocritical care 2006-2008 |
| 2. Tagann Chaisam, MD | Vascular Neurology and Neurocritical care 2008-2010 |
| 3. Amer Alsheklhee, MD | Vascular Neurology 2010 |
| 4. Ritesh Kaushal, MD, PhD | Vascular Neurology 2010-2011 |
| 5. Sonal Mehta, MD | Vascular Neurology 2011-2012 |
| 6. Surasak Komonchan, MD | Neurocritical care Apr 2011-2012 |

Research Fellows

- | | |
|---------------------------|--|
| 7. Ayman Daoud, MD | Research Vascular Neurology Fellow 2008-2010
“TCD investigation of clinical and subclinical cerebral vasculopathy in neurofibromatosis I” |
| 8. Saengduan Mayotarn, MD | Research Vascular Neurology Fellow 2009-2011
“Telemedicine in acute stroke” |

COMMUNITY ACTIVITIES

1. Member of “Operation Stroke”. Local Chapter American Heart Association. 2000-2003.
2. Power to End Stroke Gospel Tour. Abundant Life Fellowship Church. April 16, 2010

3. Invited lectures on Stroke for College Students in a Spanish Language Course Washington University. 2002 and 2003.
4. Outreach Stroke Education for Emergency Medicine MD's, Nursing and Paramedics. Saint Louis University Hospital
 - Poplar Bluff, MO May 28, 2007
 - Carbondale, Il June 4, 2007
 - Farmington, MO June 13, 2007
 - Pickneyville, Il October, 2, 2007
 - Effingham, Il October 18, 2007
 - Belleville, Il November 28, 2007
 - Forest Park Hosp. St Louis MO January 26, 2009
 - St. Elizabeth's Hospital, Belleville, Il September 29, 2009
 - St. Elizabeth's Hospital Grand Rounds, Belleville, Il November 5, 2009
 - St. Louis Fire/EMS Dept. St Louis, MO January 12, 2010
 - Jefferson Regional Hosp. Festus, MO January 20, 2010
 - Anderson Hospital, Maryville, Il March 23, 2010
 - Carbondale, Il May 18, 2010
 - Belleville Memorial Hospital, Belleville, Il June 1, 2010
 - Pre-Hospital Care of Stroke and STEMI SLUH, St. Louis, MO June 28, 29, 2010
 - Stroke treatment beyond 3hours Blessing Hospital, Quincy Il. September 21, 2011
 - 2nd Annual Parkinson's Disease symposium Sun City Parkinson's Foundation El Paso Texas April 28, 2018

Salvador Cruz-Flores, M.D., M.P.H., H.E.C.-C.

Updated on April 29, 2022

ABHINAV VULISHA

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EDUCATION

MNR Medical College
MBBS

Sangareddy, India
August 2006 – May 2012

Advocate Illinois Masonic Medical Center
Internal Medicine Residency

Chicago, IL
July 2019 – June 2022

CERTIFICATIONS

ECFMG Certified (08265654): July 2016

Basic Life Support (BLS), American Heart Association

Advanced Cardiac Life Support (ACLS), American Heart Association

Certified in Central Lines, Arterial Lines, Thoracentesis

WORK EXPERIENCE

Texas Tech University Medical Center
Internal Medicine

El Paso, Tx

Asst. Prof at PLFSOM (Paul L. Foster School of Medicine)

July 2023 – Till Date

- Clinical responsibilities include but not limited to direct patient care management as well as supervision of Internal Medicine Residents and Medical students in their continuity of care clinics and Inpatient
- Demonstrate effective teaching skills and continually develop as a teacher for learners at all levels
- Participate in educational, learning, and research activities for Internal Medicine resident and Medical students
- Work with institutional staff and administration to attain the strategic objectives of division of IM including the patient safety, patient satisfaction, maintenance and enhancement of public perception and fiscal health

Advocate Illinois Masonic Medical Center
Chief Resident

Chicago, IL

July 2022 – June 2023

- Establish and maintain effective working relationships with administrative staff, residency faculty, hospital staff, and perform high level decision making
- Mentoring and supervising residents, interns and medical students
- Acquire knowledge of legal issues in all aspects of patient care, incorporating risk management skills, patient safety and quality control measures
- Duties include but not limited to teaching medical students, residents and acting as a liaison between the resident and administration
- As a member of CCC, determine progress of achievement of resident milestones and guide through the process
- Incorporation of research into graduate medical education by facilitating the development of the research committee
- Served as resident chair for various committees such as Medical Code, Critical Care, Sepsis, Lung cancer screening, CAUTI/CLABS
- Served as a simulation lab facilitator at AIMMC

Advocate Illinois Masonic Medical Center

Chicago, IL

*Internal Medicine Resident**July 2019 – June 2022*

- 400-bed nonprofit community teaching hospital, level 1 trauma center, and designated comprehensive stroke center serving the Chicago metropolitan area with more than 14,000 inpatient admissions annually.
- Managed critical patients in the intensive care unit (ICU) for 5 months throughout residency with no fellows and no on-site attending overnight.
- Managed patients infected with COVID-19 from the primary medical, ICU, and infectious disease team perspectives throughout the pandemic.
- Experienced in running medical codes and rapid response team alerts.
- Taught evidence-based medicine to medical students and interns while supervising medical management of patients from admission to discharge.

Indian Railways

Mumbai, India

*Assistant Divisional Medical Officer**May 2018 – May 2019*

- Single doctor at a health-unit leading a team of staff nurse, pharmacist, health inspector and health attendant
- Provide comprehensive health care to serving railway employees, retired railway employees, and their dependents
- Conduct PME (Periodical Medical Examination) of serving employees
- Attend emergencies such as railway accident & other untoward incidences
- Provide curative health care at the primary, secondary and tertiary level
- Supervise and monitor health inspectors to ensure safe water and food supply
- Conduct health training workshops, and health education programs

Deccan Medical College and Hospital

Hyderabad, India

*Duty Medical Officer**May 2007 – June 2007*

- Manage inpatient, outpatient, and emergency room patients on-call and on-shift
- Handle emergency and/or critically ill patients
- Assist in diagnostic and therapeutic procedures including paracentesis, pleural tap, endotracheal intubation, and intercostal chest drain
- Giving lectures for medical students and involve in academics
- Supervise junior residents, interns, and paramedical staff
- Issue medico-legal documents including wound certificates, and medical certificates

RESEARCH EXPERIENCE

Advanced Lung Diseases, Northwell Health

New Hyde Park, Newyork

*Clinical Research Assistant**Dec 2016– Jan 2018*

- Conducted analytical research on Alzheimer's disease, focusing on Amyloid Beta uptake by LRP1 receptors. Manage and coordinate clinical research studies
- Maintain research database, coordinate and participate in activities involved in collection of research data
- Collect data from patient records to screen and enroll participants in the research study
- Good understanding of principles of clinical trial design and execution

PUBLICATIONS

1. Vulisha A K, Sam R, Nur H, et al. (April 17, 2021); *Aggressive Presentation of Streptococcus constellatus*. *Cureus* 13(4):e14534. doi:10.7759/cureus.14534. Pub Status: Published
 2. Vulisha A.K., Talwar A., Verma S., Gupta A., Lam L., Bhushan S., and Singh R. Nivolumab Induced Toxicity Presenting as Pneumonitis- A Case Report. *J Pulm Respir Med* 2018, 8: 455. 2018, Apr; 8(2): 455. Pub Status: Published.
 3. Agrawal, A., Sahni, S., Vulisha, A.K., Gumpeni, R., Shah, R., Talwar, A.; *Pulmonary Manifestations of Urothelial Carcinoma of the Bladder*. *Respiratory Medicine*. 2017, Jul; 128(N/A): 65-69. Cited in PubMed; PMID: 28610671. Pub Status: Published.
 4. Parthvi, R., Sikachi, R., Agrawal, A., Adial, A., Vulisha, A.K., Khanijo, S., Talwar, A.. *Pulmonary hypertension associated with antiphospholipid antibody: Call for a screening tool?*. *Intractable & Rare Diseases Research*. 2017, Sep; 6(3): 163-171. Cited in PubMed; PMID: 28610671. Pub Status: Published.
 5. Sameer Verma, Syed S. Rizvi, Shilpa Malik, Abhinav Vulisha, Kennedy Omonuwa, Arunabh Talwar; "Adherence to Medication in Patients with Pulmonary Arterial Hypertension". *EC Pulmonology and Respiratory Medicine* 7.3 (2018): 141-148.
 6. Vulisha, A.K., Qizalbash, M.A.R., Adil, A., Khan, K., Jan, S.T.A., Shah, S., Shrestha, S., Sarfaraz, A., Singh, A., Gul, H. *Nephrogenic Diabetes Insipidus Due to Urinary Tract Obstruction: A Systematic Review*. *Internal Medicine and Medical Investigation Journal*. 2017, Oct; 2(4): 113-131. Pub Status: Published.
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POSTER PRESENTATIONS AND VIDEO ABSTRACTS

1. *The association of Antiphospholipid antibodies with Pulmonary and Systemic Vascular Diseases*; Agrawal, A., Parthvi, R., Vulisha, A.K., Rizvi, M., Verma, S., Kohn, N., Talwar, A. (October, 2017). Poster presented at: Chest; Toronto, ON, CAN.
2. *Contemporary Trends of Pleural Effusion in the United States From 2000 to 2014*; Sahni, S., Iftikhar, A., Adial, A., Vulisha, A.K., Sikachi, R., Agarwal, A., & Talwar, A. (October, 2017). Poster presented at: Chest; Toronto, ON, CAN.
3. *Relationship between exercise induced oxygen desaturation and DLCO in patients with Advanced lung disease*; Shah, R., Hasan, Z., Verma, S., Malik, S., Vulisha, A., Kohn, N., Talwar, A.; Chest; DOI: <https://doi.org/10.1016/j.chest.2018.08.381>
4. Sam, R., Vulisha, A.K., Nur, H., Bhardwaj, N. (2022, July 12). *Marantic Endocarditis Associated with Severe Mitral Regurgitation in Type 1 Osteogenesis Imperfecta* [Poster presented]. American society of Echocardiogram/Chicago, IL, USA
5. Rizvi, S.M., Khanijo, S., Vulisha, A.K., Verma, S., Talwar, A. (2017, May 29). *The Six-Minute Walk Test – Why and How? Best of ATS Video Lecture Series*. https://youtu.be/JoItwfswbm4?list=PLFyO68a-Ji3n00R9_eC7fDoR1GtBm-zyj , Pub Status: Published.
6. Rizvi, S.M., Malik, S., Vulisha, A.K., Verma, S., Talwar, A.. (2018, April 10). *The Methacholine Challenge Test: Why and How? Best of ATS Video Lecture Series* . <https://youtu.be/OlXoNKDPtVU> , Pub Status: Published.
6. Vulisha, A.K., Sirineni, S., Khatri, S. (Oct 2021) *Folfox Induced Pneumonitis*. ACP poster presentation. https://www.youtube.com/watch?v=yQsflx_gJoM
7. Vulisha, A.K., Patel, K.N., Potts, S. *Quality improvement and adherence for lung cancer screening guidelines in IM Residents* ; <https://www.youtube.com/watch?v=HZ7cv9bdePc>

BOOK CHAPTERS

1. Contributor: Abhinav K Vulisha---Author: Arunabh Talwar, MD. (2017, March 01). Lung Diseases and other Health Problems. Lung diseases 101: A patient primer (978-0989616836); Pub Status: Published.'
2. Contributor: Abhinav K Vulisha---Author : Sonia Talwar, MD. (2017, April 02). Other Endocrine Conditions. Diabetes 101: A Patient Handbook; 9780989616843. Pub Status: Published.

AWARDS

- Most hours volunteered during COVID pandemic (2020-2021)
- ACP Illinois chapter 1st place in QI project- Quality improvement and adherence of lung cancer screening (2021)
- Poster Presentation- Nivolumab lung toxicity: A case report" at AAPI, New York (2017)
- Honorary Medal for organizing sports event as the Sports Representative in Indian Railways (2018)
- Merit Scholarship Holder- Hyderabad Police Commissioner (2006)
- Most Valuable Player, Cricket 2009, MNR Medical College
-Certificate of Recognition – Organize and operate 2009 Flood Victim Support Medical Camp in Kurnool, Andhra Pradesh

VOLUNTEER EXPERIENCE

COVID RECOVERY CLINIC

Chicago, IL

Chief Medical Officer

04/2020 – 06/2023

- Covid recovery clinic (CRC) is the resident based clinic at Advocate Aurora Health built for the care for patients recovered from COVID-19 and are experiencing continued symptoms.
- As a core member of CRC, structure and manage the workflow for the patients with multidisciplinary approach depending on patients symptoms
- Maintain data base for patients in CRC
- Conduct prospective studies for the COVID Resilience Group outcomes
- Create and update the clinical decision support aides with latest guidelines and supporting data

PR Foundation

Hyderabad, India

Chief Medical Officer

Jan 2013 – March 2016

- Establish and operate health camps in rural India serving the underserved population.
- Identify people at risk for preventable diseases including vitamin deficiency, fluorosis, and malnutrition.
- Conduct training workshops, health education programs, and blood donation drives

Art of Living

Hyderabad, India

Volunteer

Jan /2006- June

2015

- Spreading awareness about health, hygiene and the importance of yoga and exercise to keep active
- Involved in disaster relief measures and health camps in areas around Andhra Pradesh and Telangana

KEY SKILLS

- Computer: Proficient in Epic, Meditech, Athena and Cerner electronic health record systems.
- Language: Fluent in English, Hindi, and Telugu

Natalia I. Sidhu, MD, MS, FAAP

El Paso, TX
natalia.sidhu@gmail.com
(915) 588-0051

EDUCATION & POST-GRADUATE TRAINING

Pediatric Hospital Medicine Fellowship Interim Program Director: Namrata Ahuja, MD Children's Hospital of Los Angeles – Los Angeles, CA	07/2021 – 06/2023
Categorical Pediatrics Residency Distinction in Biomedical Ethics Academic Focus: Social Medicine & Advocacy Program Director: Rebecca Swan, MD Monroe Carell Jr. Children's Hospital, Vanderbilt University Medical Center – Nashville, TN	07/2018 – 06/2021
Doctor of Medicine Dean: Richard Lange, MD Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center – El Paso, TX	06/2014 – 05/2018
Master of Science Human Genetics Research focus: Developmental Origins of Holoprosencephaly in Trisomy 13 Program Director: Karen Weissbecker, PhD Tulane University – New Orleans, LA	09/2013 – 05/2014
Bachelor of Science Cell Biology in Genetics, minor concentration in Spanish University of British Columbia – Vancouver, BC, Canada	09/2008 – 05/2012

LICENSURE & CERTIFICATIONS

Texas Medical Board License # U5230 Exp. 6/23/2024	06/2023 – 06/2024
California State Medical Board License # A174202 Exp. 7/31/2023	07/2021 – 07/2023
American Board of Pediatrics: General Pediatrics In good standing, meeting MOC requirements	10/2021
Pediatric Advanced Life Support, Basic Life Support Valid through 09/2024	09/2022 – 09/2024
Neonatal Resuscitation Program Valid through 08/2024	08/2022 – 08/2024
Certified Bilingual Provider English, Spanish	07/2018 – 06/2021

HONORS & AWARDS

Alpha Omega Alpha Honor Medical Society <i>Induction during residency following nomination and selection by colleagues for commitment and excellence to academic achievement, leadership, service, professionalism, and teaching</i> Vanderbilt University School of Medicine, Tennessee Alpha Chapter	09/2021
Gold Humanism Honor Society <i>Induction during medical school following nomination and selection by colleagues for commitment to humanism and service in medicine</i> Position held: Chapter President 2017 – 2018 Texas Tech University Health Sciences Center Paul L. Foster School of Medicine Chapter	05/2017
Texas Tech University Health Sciences Center 100 Hours Club <i>Recognized for over 500 hours of community service during medical school training</i> Texas Tech University Health Sciences Center Paul L. Foster School of Medicine	05/2017
U.S. Public Health Service 2017 Excellence in Public Health Award <i>Awarded for dedication and commitment to addressing, promoting, and protecting public health issues within the community during medical school training</i>	05/2017

COURSEWORK

CHLA ACCM Leadership Course <i>Coursework related to leadership in healthcare settings</i> CHLA Division of Anesthesia/Critical Care Medicine	08/2021-06/2022
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TEACHING

Newborn Nursery Didactics Bundle <i>Instructor on low-risk deliveries, management of hyperbilirubinemia, neonatal hearing screen, management of infant exposed to maternal substance use disorder</i> Kaiser Permanente Los Angeles Medical Center Total 6 hours, 4 days	12/2022
Division of Hospital Medicine Morbidity, Mortality, and Improvement <i>Co-presenter for topic related to pathology reporting of malignancy</i> Total 3.5 hours, 1 occurrence	11/2022
MS4 PHM Elective Curriculum: Giving Quality Feedback <i>One-on-one instructor on giving effective feedback to colleagues in medical setting</i> Children's Hospital Los Angeles Total 5 hours, 3 occurrences	08/2022 – 04/2023
MS3 Pediatrics Clerkship Orientation: Family-Centered Rounds Workshop <i>Co-facilitator for FCR workshop of multiple cohorts of medical students beginning clerkship</i> Children's Hospital Los Angeles Total 5 hours, 3 occurrences	08/2022 – 02/2023
CHLA Residency Intern Class of 2025 Orientation <i>Co-facilitator for workshops on IPASS, family-centered rounds, and consult requests</i> Children's Hospital Los Angeles Total 4 hours, 2 days	06/2022
MS4 PHM Elective Curriculum: High Value Care <i>One-on-one instructor on high value pediatric care</i> Children's Hospital Los Angeles Total 2.5 hours, 2 occurrences	04/2022

CHLA Ward Resident Conferences

Co-presenter for formal resident didactic conferences
Children's Hospital Los Angeles

08/2021 –
05/2023

Light It Up: 2022 AAP CPG Revision: Management of Hyperbilirubinemia in the Newborn >35 Weeks Gestation

Total 4 hours, 1 occurrence

Pediatric Dermatology Review, Dermatologic Emergencies, and the Equity of Dermatology

Total 7 hours, 3 occurrences

Saturday Neonate Fever: 2021 AAP Febrile Neonate Guidelines

Total 4 hours, 1 occurrence

Jeopardy: Pediatric Board Review Edition

Total 3.5 hours, 1 occurrence

CHLA Ward Resident Afternoon Teaching

Presenter for informal, small-group chalk-talks
Children's Hospital Los Angeles & Kaiser Permanente Los Angeles Medical Center

08/2021 –
05/2023

Leading a Family Meeting

Total 3.5 hours, 3 occurrences

Inpatient Asthma Management: 2020 GINA Guidelines

Total 5 hours, 4 occurrences

Hospital Medicine Journal Clubs

Lead (or solo) presenter for departmental and divisional journal clubs

05/2022 –
05/2023

Managing Learner Expectations and Conversations on Diagnostic Uncertainty and Its Management

Division of Hospital Medicine – CHLA
Total 3.5 hours – 1 occurrence

Use of Race in Pediatric Clinical Practice Guidelines – A Systematic Review

SOHM Fellow's Journal Club (published online 12/6/2022)
Department of Pediatric Hospital Medicine – Kaiser Permanente Los Angeles Medical Center
Total 4.5 hours, 2 occurrences

2022 AAP CPG Revision: Management of Hyperbilirubinemia in the Newborn >35 Weeks Gestation

Division of Hospital Medicine – CHLA
Total 3.5 hours, 1 occurrence

Qualitative Research: Family Experiences for or Against Pediatric Home Ventilation

Division of Hospital Medicine – CHLA
Total 4.5 hours, 1 occurrence

Differences Among Cost and Length of Stay for Common Pediatric Conditions Based on Hospital Type

Department of Pediatric Hospital Medicine – Williamson Medical Center
Total 3 hours, 1 occurrence

Senior Residency Conference

Caring for Patients with Severe Neurodevelopmental Disabilities: Pearls Learned from Personal and Professional Experience

Monroe Carell Jr. Children's Hospital at Vanderbilt
Total 3 hours, 1 occurrence

07/2020 –
05/2021

Sturge-Weber and Other Neurocutaneous Syndromes

Monroe Carell Jr. Children's Hospital at Vanderbilt
Total 3.5 hours, 1 occurrence

Biomedical Ethics Program <u>Ethical Considerations Related to Patients with Neurodevelopmental Disabilities</u> Monroe Carell Jr. Children's Hospital at Vanderbilt Total 3.5 hours, 1 occurrence	08/2020 – 05/2021
<u>End-of-life and Medically Ineffective Care</u> Vanderbilt University Medical Center Total 3.5 hours, 1 occurrence	
Tox Talk: A Review of Commonly Seen Toxidromes in Children Monroe Carell Jr. Children's Hospital at Vanderbilt Total 2.5 hours, 3 occurrences	07/2020 – 12/2020
Prenatal and Newborn Care: Panel Q&A for Expectant and Postpartum Mothers Martha O'Bryan Community Center, Nashville Total 2 hours, 1 occurrence	04/2019

MENTORSHIP

Tess van Schoor, BS <i>Mentorship beginning in MS2 year</i> <i>Focus: Research (quality of life in caregivers of children with tracheostomy), navigating medical training, career development</i> University of Southern California Keck School of Medicine	05/2022 – ongoing
Jacqueline Antoon, MD <i>Mentorship beginning in MS4 year</i> <i>Focus: Diversity, equity, and inclusion in medicine as URiM; navigating medical training</i> Vanderbilt University School of Medicine; Children's Hospital Los Angeles	03/2021 – ongoing

SERVICE

Hospital Groups <u>CHLA Cultural Humility & Equitable Care Council</u> <u>CHLA Ethics Resource Committee</u> <u>CHLA Physician Well-Being Committee</u> <u>CHLA Advocacy Collaborative</u>	08/2021 – 06/2023
Professional Society Memberships <u>American Academy of Pediatrics</u> <i>Section on Pediatric Trainees</i> <i>Council on Immigrant Child & Family Health</i> <i>Section on Hospital Medicine</i> Council on Children with Disabilities <i>Section on Minority Health, Equity, and Inclusion</i> <i>Section on Bioethics</i>	07/2017 – present
<u>California Chapter of the AAP, Chapter 2</u> Former Local Chapter: TN Chapter of the AAP (2018 – 2021)	08/2021 – 06/2023
<u>Academic Pediatric Association</u>	01/2023 – present

Major Leadership Positions

<u>Department of Pediatrics Diversity and Inclusion Advisory Committee</u> <i>During the committee's inaugural year, served as one of two nominated trainees working to improve diversity, equity, and inclusion for patients and providers, providing recommendations to the Chair of the Department of Pediatrics and the Office of Faculty Development</i>	09/2020 – 06/2021
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<u>Community Health & Advocacy Resident Course Director</u> <i>Charged with updating expectations, assignments, and community contacts; liaison between residents and faculty course director; project lead in establishment of new community-based rotation project (Black History Tour of Nashville)</i>	08/2020 – 05/2021
<u>Underrepresented Minority Resident Recruitment Committee Director</u> <i>Tasked with promoting diversity within the Pediatrics Residency at Vanderbilt University Medical Center with focus on URiM-centered initiatives in collaboration with the general Resident Recruitment Committee to establish effective virtual recruitment strategies</i>	05/2019 – 05/2021
<u>Housestaff Leadership Collaborative</u> <i>Participation in monthly meetings with VUMC Chief of Staff, GME leadership, and Biomedical Informatics leadership to discuss changes affecting housestaff (e.g. roll-out of encrypted mobile paging platform, pros/cons of updated EMR format)</i>	08/2018 – 06/2021
<u>Student Leadership Team: Paul L. Foster School of Medicine Medical Student-Run Clinic</u> <i>During tenure, held roles of Director of Volunteer Services, Patient Coordinator, and Mammogram Co-Coordinator; helped provide access to primary care services to over 240 adults and children as well as mammograms/diagnostic imaging to over 150 women (40hrs/month)</i>	03/2015 – 03/2016

RESEARCH & SCHOLARSHIP

Mentored Manuscript Review: <i>Pediatrics</i> <i>Mentor: Namrata Ahuja, MD</i>	06/2022
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Major Areas of Research Interest

1. Factors associated with health-related quality of life (HRQOL) in caregivers of children with tracheostomy
Primary scholarly project focuses on studying the roles of discrimination in medical settings, quality of home health nursing, parental rating of child's quality of life on caregiver HRQOL
2. Improving use of and documentation of shared decision making (SDM) for the workup of febrile neonates
Primary QI project focuses on collaboration with colleagues within the Division of Emergency Medicine at CHLA to facilitate SDM in specific clinical presentations of febrile neonates as part of national collaborative for REVISE II: Reducing Excessive Variability in Sepsis Evaluation
3. Novel and effective methods for teaching structural competency to trainees
Primary scholarly project during residency revolved around conceptualization of a "Black History Tour" of North Nashville to increase resident trainee awareness of determinants of health impacting patients in the area for improved trauma-informed care

PUBLICATIONS

Mootz A, ... **Sidhu N**, et al. Retrospective analysis of population demographic characteristics, medical interventions, and resource use at a medical student-run clinic on the Texas-Mexico border. *J Health Care Poor Underserved*. 2019;30(2):519-531. doi:10.1353/hpu.2019.0034.

Sidhu NI, Antony SJ. Treatment options and outcomes of vancomycin-resistant *Enterococcus* in prosthetic joint infections: Case report and potential implications for military cases. *J Arch Mil Med*. 2017;5(3). doi:10.5812/jamm.12588.

POSTERS & PRESENTATIONS

Applying an Advocacy Lens to your Clinical and Scholarly Work Oral: Updates in Hospital Pediatrics; CHLA, Virtual Meeting	10/2022
The longitudinal impact of hospitalization on health-related quality of life in caregivers of children with tracheostomy: A single site prospective cohort surveys study Poster: Works in Progress; American Pediatric Association Region 9/10 Virtual Meeting	01/2022
Poster: Works in Progress; 3 rd Bi-Annual SoCal PHM Fellow's Consortium, UCLA	06/2022

A Multimodal Black History Tour: Increasing Physician Confidence with Critical Race Theory and Trauma-Informed Care

Poster: 2021 National Collaborative for Education to Address Social Determinants of Health National Conference, Virtual Symposium 02/2021

Poster: Vanderbilt University Medical Center Department of Pediatrics 2021 Research Week; Nashville, TN 05/2021

ADVOCACY

Policy Testimony

03/2022 –

2022 AAP-CA Legislative Day; Sacramento, CA

05/2022

2022 CHLA Residents' Advocacy Day; Los Angeles, CA (virtual)

2022 CCHA Advocacy Day; Los Angeles, CA (virtual)

2022 AAP Legislative Conference; Washington, DC (virtual)

1st Annual CHLA Children's Health Policy & Advocacy Summit: How to Practice Pediatrics with Pride

06/2022

Presentation of infographic for advocating for LGBTQ+ youth with dissemination to the CHLA Pediatric Residency, CHLA Advocacy Collaborative, CHLA Cultural Humility & Equitable Care Council, and AAP-CA2

The Pediatric Mental Health Crisis: Let's Act Now

03/2022

Faculty Development lecture series to CHLA Division of Hospital Medicine with focus on background how bills become laws, legislative priorities, and how to ask legislators how to support proposed bills

Revised: June 01, 2023

Roger G. Skiles, MD, FACS

Plano, TX 75093 | rgskiles@yahoo.com | 972-922-7778

Professional Summary

Board – Certified Otolaryngologist with over 30 years of clinical, surgical, and leadership experience. Dedicated to pursuing professional excellence through advanced training programs. Background includes 23 years of private practice ownership in the Dallas area and involvement in several high-level hospital committees. Adaptable provider comfortable in any work environment and skilled in caring for diverse patient populations from pediatrics to adults. Seeking a new position that will utilize extensive knowledge and understanding of Otolaryngology, head and neck surgery, and allergy treatment and management.

Certification and Licensure

Board Certification, Otolaryngology and Head and Neck Surgery American Board of Otolaryngology	Active
Texas State Medical License	Active
Florida State Medical License	Active

Advance Training

3-year intensive Allergy Training, American Academy of
Otolaryngology – Allergy
Coblation Procedures
Balloon Sinuplasty
Brain Lab Guided Sinus Procedures

Professional Experience

Physician, Otolaryngology White Wilson Medical Center (Ft Walton Beach, FL)	2021 – Present
Physician, Otolaryngology Baylor Scott and White (Marble Falls, TX) <ul style="list-style-type: none">• Ethics Committee (2017-2021)• Vice Chief of Staff (2017- 2021)• Peer Review Committee (2016-2018)	2014 – 2021
Physician, Otolaryngology Deaconess Hospital (Oklahoma City, OK)	2012 – 2014

Private Practice Owner and Physician, Otolaryngology 1989 – 2012
Roger G. Skiles, MD (Dallas Metropolitan Area, TX)

- Maintained staff privileges with multiple hospital systems over a 21 year period
 - Baylor Hospital (Frisco, TX) 2002 – 2012
 - Presbyterian Hospital (Plano, TX) 1991 – 2012
 - Medical City Dallas (Dallas, TX) 1991 - 2002
 - Presbyterian Hospital of Dallas (Dallas, TX) 1991 – 2002
 - Vice Chairman, ENT Department**
- Provided care across the lifespan, with 65% of cases involving pediatric patients

Physician, Otolaryngology 1985 – 1987
Presbyterian Hospital of Dallas Emergency Room (Dallas, TX)

Physician, Otolaryngology 1984 - 1985
Primacare Minor Emergency Center of Dallas (Dallas, TX)

Education

Residency, Otolaryngology and Head and Neck Surgery 1987
University of Texas Southwestern Medical School (Dallas, TX)
Staff privileges – Parkland Memorial Hospital

Doctor of Medicine 1982
Texas Tech School of Medicine (Lubbock, TX)
Mosby Award for Academic Excellence, AOA Honor Medical Society

Bachelor of Arts, Zoology with Honors 1975
Texas Tech University (Lubbock, TX)

Committees and Membership

Texas Medical Association
American Academy of Otolaryngology/ Head and Neck Surgery
Fellow, American College of Surgeons

Awards

Texas Monthly Super Doctor 2004
D Magazine Top Doctor 2001

Katelyn M. Welshans, MD, FACOG

11520 Patapsco Dr. Rockville, MD 20852

570.772.7487

kat.welshans@gmail.com

PROFESSIONAL SUMMARY

I am board certified in Obstetrics and Gynecology, practicing the full spectrum of general OB/GYN care with a focus in gynecologic surgery and high-risk obstetric care. I have a passion for education at all levels of healthcare including patients, medical students, and residents, with a strong desire to be involved in graduate medical education.

WORK HISTORY

Inova Medical Group Obstetrics and Gynecology

Inova Hospital, Fairfax, VA

September 2020 – Present

- Practiced full spectrum Obstetrics and Gynecology in the inpatient and outpatient setting
- Performed gynecologic surgery at Inova Fairfax Hospital including vaginal, laparoscopic and open abdominal techniques
- Participated in hospital wide quality improvement initiatives including primary cesarean section reduction rates and surgical site infection reduction rates
- Participated in resident education to include supervising attending, didactic lectures, surgical skills teaching through simulation, cadaver lab and gynecologic surgery
- Hospital ranked 10th in United States for Obstetrics and Gynecology by US News

CERTIFICATIONS

Board Certified by the American Board of Obstetrics and Gynecology

Virginia Medical License

Fellow of the American College of Obstetrics and Gynecology

EDUCATION

Geisinger Commonwealth School of Medicine; Scranton, PA

Doctor of Medicine

May 2016

Geisinger Medical Center; Danville, PA

Obstetrics and Gynecology Residency Training

July 2016 – June 2020

- *Resident of the Year, Obstetrics and Gynecology Department, 2020*
- *Recipient of the Dr. Walter D Gemill Award for Excellence in Teaching, Geisinger Commonwealth School of Medicine, 2019*

PUBLISHED MANUSCRIPTS

Acute Respiratory Failure in Pregnancy Requiring ECMO
K. Cunningham, K. Welshans, V. Movva, K Angras
Critical Care Medicine, Vol. 49(1), p 390, January 2021.

Time is money: Does IV Tylenol decrease time to discharge in patients undergoing robotic surgery for endometrial cancer?
K. Welshans, J.D. Nash, A.L. Smith, R. Gogoi
Gynecologic Oncology, Vol. 145, p150–151, June 2017

POSTER PRESENTATIONS

Time is money- does IV Tylenol decrease time to discharge in patients undergoing robotic surgery for endometrial cancer
Society of Gynecology Oncology National Meeting, National Harbor, Baltimore MD
2017

Management of Abnormal Uterine Bleeding in the Setting of Decompensated Liver Failure
Geisinger Medical Center resident research day, Danville, PA
2017

The 2013 Amish Medical Almanac: A comprehensive guide to holistic Amish medical approaches and modern day clinical approaches
Pennsylvania Academy of Family Practice Convention, Hershey, PA
2016

RESEARCH

The Commonwealth Medical College – Williamsport Hospital
Improvements of Screening Compliance of Abdominal Aortic Aneurysms
Principle Investigator: Donald Nardone, MD; Susquehanna Cardiology Associates

The Commonwealth Medical College
Pain Self-management in the Primary Care Setting
Principle investigator: John Boll, DO; Williamsport Family Practice, Residency Program Director
Poster presentation at Research Day, The Commonwealth Medical College, Scranton, PA

The Commonwealth Medical College
Factors Influencing Adolescent Tobacco Use in North Eastern Pennsylvania
Principle investigator: Karen Arscott, DO; Associate Professor in Clinical Sciences at The Commonwealth Medical College

LEADERSHIP ROLES

**House Staff Association Representative, Geisinger Medical Center,
Danville, PA**
2017- Present

**West Campus Class Representative, The Commonwealth Medical College;
Williamsport, PA**
2014-2016

Student Ambassador, The Commonwealth Medical College; Scranton, PA
2012-2016

HONORS AND AWARDS

Graduating Resident of the Year, Geisinger Obstetrics and Gynecology, 2020

AUGS Award for Excellence in Female Pelvic Medicine and Reconstructive Surgery 2019

Dr. Walter D. Gemmill Award for Excellence in Medical Student Teaching, Geisinger
Commonwealth School of Medicine 2019

Resident Teacher of the Year, Obstetrics and Gynecology Residency, 2019