

CEPC MEETING AGENDA

01:00 PM - 02:30 PM

05/12/2022

CHAIR:

Dr. Irene Alexandraki, MD, MPH, FACP

VOTING MEMBERS:

Colby Genrich, MD; Fatima Gutierrez, MD; Brad Fuhrman MD; Houriya Ayoubieh, MD; Jessica Chacon, PhD, Munmun Chattopadhyay, PhD; Niti Manglik, MD; Osvaldo Padilla, MD; Patricia Ortiz, MD

EX-OFFICIO:

Lisa Beinhoff PhD; Blake Busey, MS; Linda S. Ellis, MD; Maureen Francis, MD; Tanis Hogg, PhD; Julio Batiz

STUDENT REPRESENTATIVES:

Rowan Sankar MS1 (Voting); Nick Malize MS1 (Ex Officio); Whitney Shaffer MS2 (Voting); Rohan Rereddy MS2 (Ex Officio); Miraal Dharamsi MS3 (Voting); Daniel Tran MS3 (Ex Officio); Karishma Palvadi MS4 (Voting); Runail Ratnani MS4 (Ex Officio)

INVITED/GUESTS:

Richard Brower, MD, FAAN; Christiane Herber-Valdez, PhD; Martin Charmaine, MD; Diana Pettit, PhD; Dale W. Quest, PhD; Thwe Htay, MD; Narges Khanjani, MD; Ricardo Belmares, PhD; Kitch Rachel; Kedzie Arrington; Athulya Johnson; Nicholas Martinez; Allen Wang; Curt Pfarr, PhD; E. Lee Rosenthal, PhD

APPROVAL OF MINUTES

Minutes will be attached.

ITEMS FROM STUDENT REPRESENTATIVES

Presenter(s): Students

ITEM I PRE-CLERKSHIP PHASE REVIEW – MAS I&III TEAM

CEPC 05/12/2022

ITEM II PRE-CLERKSHIP PHASE REVIEW – SCI I&III TEAM

Presenter(s):

ITEM III PRE-CLERKSHIP PHASE REVIEW – SCI II&IV TEAM

Presenter(s):

ITEM IV 4rd YEAR CLERKSHIP SYLLABI UPDATE

Presenter(s): Maureen Francis

ITEM V CLERKSHIP DIRECTORS UPDATE

Presenter(s): Dr. Maureen Francis

OPEN FORUM

ADJOURN

MEMBERS IN ATTENDANCE:

Irene Alexandraki, Brad Fuhrman, Colby Genrich, Fatima Gutierrez, Houriya Ayoubieh, Maureen Francis, Munmun Chattopadhyay, Niti Manglik, Nick Malize, Lisa Beinhoff, Osvaldo Padilla, Patricia Ortiz

MEMBERS NOT IN ATTENDANCE:

Blake Busey, Linda S. Ellis Julio, Jessica Chacon, Palvadi Karishma, Runail Ratnani, Rowan Sankar, Miraal Dharamsi, Tanis Hogg, Tran Daniel, Whitney Shaffer

PRESENTERS/GUESTS IN ATTENDANCE:

Richard Brower, MD, FAAN; Diana Pettit, PhD; Dale Quest, PhD; Thwe Htay, MD; Narges Khanjani, MD; Ricardo Belmares, PhD; Rachel Kitch MS3; Athulya Johnson; E. Lee Rosenthal, PhD; Maria Coteria; Priya Harindranathan

INVITED/GUESTS NOT IN ATTENDANCE:

Charmaine Martin, Kedzie Arrington, Allen Wang

REVIEW AND APPROVAL OF MINUTES

**Dr. Alexandraki CEPC
Chair**

- Having met quorum, the meeting minutes from April 14, 2022 meeting were voted on and approved as presented.

Decision: Dr. Manglik moves the motion for approval.
Dr. Ayoubieh seconds the motion.
No objections: Motion was approved.

ITEMS FROM STUDENT REPRESENTATIVES

Presenter(s): Students

Nick Malize (MS1)

- No issues to report.

ITEM I PRE-CLERKSHIP PHASE REVIEW – MAS I&III TEAM

Presenter(s): Dr. Diana Pettit

College Colloquium (MAS I&III) review team: Dr. Pettit; Dr. Manglik; Dr. Quest; Students: Kedzie Arrington and Rachel Kitch *Please see attached report.

Dr. Pettit emphasized overall high regard for the course. Students appreciated the College Mentors' efforts to make this a good experience during the pandemic.

The review team identified challenges and made the following recommendations for course improvement:

- Need for additional faculty to serve as College Mentors.
- Need for a more diverse group of faculty serving as College Mentors.
- Need to provide students with more opportunities for self-directed learning.
- Need for more consistency across Colleges.
- There is significant overlap with the Society, Community and the Individual (SCI) course; the course directors to work with SCI course directors for better integration.

In addition, the review team suggested that SCI and MAS curricula should be reconciled, core competencies organized, and narrative-based grading should be included. Dr. Pettit pointed out that a larger cohort of college mentors is needed and could be comprised of early, mid, and later career members of faculty.

The team suggested that relationships between session-level objectives and outcome-based course-level goals and objectives should be more explicit. Also, assessments should be put in place to track measureable progress of students.

The review team concluded that College Colloquium (MAS) and Society, Community and the Individual (SCI) course directors should appropriately map and sequence courses to educational program objectives to avoid redundancy and make repetition intentional where necessary.

Discussion held regarding the MAS I & III review:

Student, Rachel Kitch, pointed out that there are no Latino/Hispanic College Mentors, and that the school should be more intentional about diversity in the College Colloquium mentorship. Dr. Alexandraki acknowledged that diversity was a good point.

Dr. Ayoubieh stated that institutional support is needed to resolve understaffing issues. She also stated that faculty are in the process of reviewing the objectives and topics with the goal to unify objectives better.

Dr. Alexandraki asked Dr. Ayoubieh and Dr. Rosenthal to align the two courses better to avoid redundancies.

Decision about the MAS I&III Review.

Dr. Padilla moves the motion for approval.

Dr. Chattopadhyay seconds the motion.

No objections: Motion was approved.

ITEM II PRE-CLERKSHIP PHASE REVIEW – SCI I&III TEAM

Presenter(s): Dr. Ayoubieh

Society, Community and the Individual (SCI I&III) review team: Dr. Ayoubieh; Dr. Francis; Dr. Belmares; Students: Nick Martinez and Allen Wang *Please see attached report.

The review team identified the following positive aspects:

- Course addressed important topics extending beyond the USMLE STEP 1 focus.
- Students enjoyed and valued the panel discussions, guest speakers, group activities as well as the self-paced learning.
- Students valued the biostatistics component because it was relevant to STEP 1.

The team suggested the following:

- Evaluate biostatistics to focus more on STEP 1 related content.
- Reorganize sessions so that the mandatory ones are not during SPM heavy weeks.
- Decrease repetition especially from Immersion and combine sessions or offer asynchronous learning for activities covered more than once.
- Add clinical content and encounters to the Spanish component of the course.
- Have course directors review the exam content and inform students about the value of non-STEP 1 related content to their professional development.
- At end of year consider using NBME Health Systems Sciences Exam or NBME Statistics Custom Exam so that students feel there is more alignment of the content with national standards.
- Community clinic experience was not viewed as valuable by all students. Consider discussing the clinical experience with the preceptors to enhance the overall student experience and engagement

Discussion held regarding SCI I&III review.

Dr. Belmares commented that significant number of students stated that the content repetition was excessive and that should be addressed. Dr. Rosenthal said that she will collaborate with College Mentors to address the redundancy in the curriculum.

Dr. Ortiz commented on the value of redundancy in the curriculum based on her experience as a student at PLFSOM. She explained that it is helpful to hear things more than once but maybe consider finding ways to be intentional about it. Dr. Alexandraki agreed that content had to be intentional, integrated and spaced apart to reinforce the learning.

Decision about the SCI I&III Review.

Dr. Manglik moves the motion for approval.

Dr. Padilla seconds the motion.

No objections: Motion was approved.

ITEM III PRE-CLERKSHIP PHASE REVIEW – SCI II&IV TEAM

Presenter(s): Dr. Khanjani

Society, Community and the Individual (SCI II&IV) review team: Dr. Htay; Dr. Khanjani; Students: Whitney Shaffer and Athulya Johnson *Please see attached report.

The review team identified the following course strengths:

- Well-designed course and aligned with SPM curriculum.
- The interdisciplinary style of teaching.
- Student collaboration with other health professionals.
- Statistics content was clear and well delivered.
- SCI helped students to realize how public health and medicine are interwoven.
- Course connects students with members of the community.
- Having biostatistics before submitting SARP proposals was helpful.

Team outlined recommendations for improvement based on students' evaluation:

- Course organization - avoid duplication and repetition of course material in SCI; Colloquium and Immersion should be decreased; course objectives should be more clear; deadlines should be more consistent; unified platform (Elentra) should be used primarily for communication and dissemination of materials to students.
- Mandatory sessions to be decreased.
- Spanish course to focus more on conversational Spanish.
- Adding a refresher course on biostats/epi before the STEP 1 exam would be helpful.
- Exam and Assignments – consider less workload and more concise assignments; timely feedback; implementing a better way of evaluating understanding of the non-biostatistics portion of the course; the public health questions should accurately reflect the content in lectures; the SCI exam should not intersect with SPM; more practice questions and USMLE style questions.
- Preceptors need a more clear and organized schedule.

Discussion held regarding SCI II&IV review.

Student, Nick Malize stated that the testing recommendations would be a good option. Dr. Rosenthal stated that they are looking for some alternatives in testing and assessment piece of the SCI. She mentioned that there might be a merit in testing out of some content of Spanish as well as in Biostats and epi. She explained that this might provide an uplift for students but she was not sure She also stated that logistics from Elentra may give some opportunities for a bulletin board, and that communication in an online platform might be good.

Decision about the SCI II&IV Review.
Dr. Dr. Ayoubieh moves the motion for approval.
Dr. Dr. Genrich seconds the motion.
No objections: Motion was approved

ITEM IV 4rd YEAR CLERKSHIP SYLLABI UPDATE

Presenter(s): Dr. Francis * Report is attached.

Dr. Francis provided a summary of the changes in the following units:

- Surgical Intensive Care Unit (SICU)
- Pediatric Intensive Care Unit (PICU)
- Neurosurgical Intensive Care Unit (NSICU)
- Sub-Internships
- Emergency Medicine & Neurology & Boot camp
- Elective Course Change – It was proposed that Library course goes fully virtual (currently hybrid).

Dr. Fuhrman queried if there were enough opportunities for students to participate in hands-on airway management in PICU. Dr. Francis explained that there are electives available in pediatric anesthesia that provide these hands-on experiences.

Decision about the 4th year clerkship syllabi update.
Dr. Ayoubieh moves the motion for approval.
Dr. Manglik seconds the motion.
No objections: Motion was approved.

ITEM V CLERKSHIP DIRECTORS UPDATE

Presenter(s): Dr. Francis * Please see attached report.

- Dr. Grace Ng will temporally replace Dr. Susan McLean, SICU director.
- Dr. Wajeeha Saeed will replace Dr. Charishma Boppana as the Bootcamp Co-director
*Curriculum Vitae is attached.
- Dr. Lynn Hernana (Fuhrman) is retiring – replacement is pending.

Decision about proposed updates:

Dr. Ayoubieh moves the motion for approval.

Dr. Manglik seconds the motion.

No objections: Motion was approved.

ADJOURN

Meeting adjourned at 2:30pm.



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Pre-Clerkship Phase Review Team 5 Report
College Colloquium I (Year 1, PMAS 5101)
&
College Colloquium III (Year 2, PMAS 6111)
Academic Year 2020 – 2021: Fall Semester

Course Directors:

Houriya Ayoubieh, M.D.

Curt Pfarr, PhD.

Unit Associate Director: Denise Delgado

Team 5 members:

Kedzie Arrington

Rachel Kitch

Diana Pettit

Niti Manglik

Dale Quest

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College Colloquium I and College Colloquium III are the two Fall semester courses in a series of four courses (College Colloquium I - IV) that span the pre-clinical years.

Weekly two-hour sessions address ethics, controversies in medicine, evidence-based medicine, critical thinking, safety and quality improvement, communication, humanism, empathy, wellness, life-long learning, bias, leadership, and professionalism.

Short didactic presentations introduce a session topic, followed by facilitated discussion.

Student Evaluations:

MS1 Colloquium Fall Report AY 2020-2021

MS2 Colloquium Fall Report AY 2020-2021

1. MS1 and MS2 course evaluations similarly reflect students' very high overall regard for the course itself, and appreciation and respect for their College Mentors.
2. Those endorsements are especially remarkable during an academic year of CoVid-19 mandated transition to web-based delivery of a course in which mentor-facilitated dialogue and debate among student participants figures so prominently.
3. MS1 student, "just hope to be in person for it next year! "
4. For some, the social experience was relief from isolation, others a prompt to engage with their College-mates amidst mounting apathy for the distanced medical school experience.



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Team 5 Student Member Input:

Challenges:

- faculty
- lack of self-directed learning
- lack of consistency across Colleges
- significant overlap with Society, Community and the Individual course

Suggestions:

- reconcile CC & SCI curricula
- consider organizing core competencies
- consider including narrative-based grading



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Course Directors' Report:

1. A series of 'College Mentor' retirements has clustered due in part to lapsed succession planning and unforeseen challenges in recruiting suitably qualified replacements.
2. Need to replete dedicated qualified 'College Mentors' in sufficient number and with protected time to plan, implement and refine the course.
3. Meanwhile, contingencies include facilitation of College Colloquium sessions by one rather than paired College Mentors, and adaptive scheduling of sessions.
4. Appointments to 'College Mentor' positions have tended to be filled by senior faculty, but College Colloquium could be facilitated by people with less seniority and experience because the faculty mentors can work collaboratively in support of each other's efficacy as College Mentors. It follows that a larger cohort of College Mentors might more aptly be comprised of early-, mid-, and late- career members of faculty.



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LCME standards and elements 9.5 and 9.7: *In every required course, the medical school's curricular governance committee ensures that each medical student is assessed and provided with formal formative feedback early enough during each required course or clerkship to allow sufficient time for remediation. Formal feedback occurs at least at the midpoint of the course or clerkship.*

1. more can be done to provide students with tangible actionable feedback and assessments of their progress and achievement of purpose, aims and the learning intents of the College Colloquium.
2. review of all of the College Colloquium course objectives, generate a set of session level statements that define:
 - What learners should already have learned in preparation for each session
 - What learners should learn and take away from each session
3. Make relationship of session-level objectives to outcome-based College Colloquium course-level goals and objectives explicit, and put assessments in place to track measurable progress moving toward what accreditation standards promulgate as, “expectations for progressive student development in explicit alignment with the medical school program goals and objectives”



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This medical school has two series of courses in the pre-clerkship phase “**College Colloquium**” and “**Society, Community and the Individual**” that have unplanned overlaps and indistinct perspectives on broad topic areas.

Those two courses have common themes that align intuitively with the eight overarching educational program objectives. Need to reconcile the extent that the two courses overlap.

Suggestion: Faculty involved in planning and implementing the “College Colloquium” and “Society, Community and the Individual” courses could inventory what topics and perspectives are unique or complimentary, and appropriately map and sequence topics to the eight overarching educational program objectives (patient care, knowledge for practice, practice-based learning & improvement, interpersonal & communication skills, professionalism, systems-based practice, interprofessional collaboration, and personal & professional development).



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Pre-Clerkship Phase Review Report AY 2020/21

Society Community and the
Individual (SCI I & III– Fall 2020
Semester)

Course Directors:

E. Lee Rosenthal, Ph.D., M.S., M.P.H

Jorge L. Cervantes. M.D., Ph.D.

Team 5 members:

Houriya Ayoubieh

Maureen Francis

Ricardo Belmares

Nick Martinez

Allen Wang



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SCI I and SCI III are the two Fall semester courses in a series of four courses that span the pre-clinical years.

Multiple components: Immersion, Spanish, community health experiences, biostatistics that take on various formats

Student Evaluations- positive aspects:

MS1 SCI I Fall Report AY 2020-2021

MS2 SCI II Fall Report AY 2020-2021

1. This course addresses important issues outside of the STEP focus; e.g. health insurance, community and health, access to care.
2. The students value some of the panel discussions and guest speakers, the small group activities, and the self-paced learning.
3. They value the Biostatistics components



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Student Evaluations suggested improvements:

MS1 SCI I Fall Report AY 2020-2021

MS2 SCI II Fall Report AY 2020-2021

- Evaluate Biostatistics to focus on STEP1 content.
- Reorganize the sessions so that mandatory sessions are not during SPM heavy weeks. Consider alternatives to mandatory sessions such as essay about the topic.
- In person Spanish. Having modules and in-person Spanish closely aligned with clinical topics is an excellent model and is encouraged, as canopy is not aligned with the curriculum.
- Consider alternative assessment strategies so that students are not cramming for the test during SPM exam weeks. Consider reorganizing SCI assignments to weeks that are less SPM heavy.
- Decrease repetition especially from Immersion, and combine sessions or offer asynchronous learning.



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Course Directors' Report:

1. Difficulty with the virtual transition was noted, innovative alternatives were offered and were well received.
2. The schedule needed to be reorganized because of the limited number of teaching faculty.



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Recommendations

- Review session flow (statistics separately from health system sciences) and consider summarizing take-home objectives for the sessions
- Review sessions eliminating unnecessary redundancy and keep purposeful repetition where deemed necessary for content that is covered in Immersion and the rest of the year.
- Review the number of problem sets and consider adjustments if there is redundancy.
- Review exam and assignment schedules to avoid SPM heavy weeks/exams where possible.
- In-person Spanish was very helpful prior to the pandemic and was brought back as the primary method of teaching medical Spanish. Include clinical content in Spanish sessions where possible.
- Review team recommends that the course directors review exam content and inform students about the importance and value of non STEP1 related content to their professional development.
- Consider using the NBME Health Systems Sciences Exam at the end of the year and NBME statistics custom exam.
- Community clinic experience was not viewed as valuable by all students. Consider discussing the clinical experience with the preceptors to enhance student experience and engagement.



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Pre-Clerkship Phase Review Report AY 2020/21-Society Community and the Individual Review Team SCI II&IV–Spring Semester

Thwe Htay, Narges Khanjani (Faculty)
Whitney Shaffer, Athulya Johnson (Students)



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Strengths

- The course is well-designed and aligns with the SPM curriculum.
- Material is digestible and not overwhelming.
- The objectives were clearly identified and well met.
- Students liked the variety of guest speakers, talks about insurance networks (Medicare and Medicaid, that students felt were very applicable), the research methods, biostatistics and IRB classes (that helped them with their SARP project), and short panel discussions (because it brought insight into areas that students did not hear about before). The inter-disciplinary style of teaching was helpful.
- Students like the fact that they could collaborate with other health professions.
- The Digital Health lecture which covered EMRs and Meaningful Use and other quality of care measures are of supreme relevance to other topics covered.
- Students liked the online classes. Students also liked the self-paced module and had less stress since they could do the module at a time and pace that best suited them.
- Students liked the fact that not all sessions were mandatory. Students thought having some non-mandatory sessions is beneficial. If all sessions were mandatory, it would become overwhelming.

Strengths

- The review session was extremely helpful.
- Statistics information was delivered well and clearly.
- MS2 liked the online Spanish classes more than MS1s, and said Canopy is good at tracking progress and they could go at their own pace.
- Students also enjoyed the talks about social workers and electronic health records and felt they had learned useful information regarding those topics.
- Lectures that discuss mental health, racism in health care, and other important topics are a benefit of this course.
- Students enjoyed hearing patients speak during the NAMI presentation. They loved the TedTalks at the end of the unit and all of the panels. They thought they were very informative.
- Students thought SCI has helped them realize how public health and medicine are interwoven and that health reaches beyond the clinic and into a person's environment.
- This course attempts to connect students with members of the community.

Recommendations for improvement

The course is not well organized.

- Decrease repetition and duplicate material, some things are being repeated several times, in SCI, colloquium and immersion.
- Students want more organized format, more clear objectives, more examples on how they will use this knowledge in practice.
- Students need more time and a less busy schedule at the end of the semester. Apparently, multiple mandatory panels were scheduled at the end of the semester coming up on final exams.
- Students want more consistent deadlines, and want to know about the schedule in advance. They stated the deadlines for assignments were not clear, and they were shifted back. Solid deadlines should be used. It should be laid out in advance and stay clear. Students with late submission get advantage. There should be a policy for late submissions.
- Students requested that lecturers stick to the deadlines for uploading educational material before the classes.
- Students have to get informed about the material that will be tested, sooner; just a few weeks before is not enough.
- Do not run over time. Students need time for a break and getting ready for the next session. The students even thought finishing a few minutes earlier would help.
- The platform for communication with students should be clear and unified. For example, everything posted in Elentra. Sending too many lengthy emails is confusing. Confusion is also happening because of the various sources of information.

Recommendations for improvement

Mandatory sessions decrease or Mandatory sessions determined based on student feedback.

- Students stated that they are able to understand and engage with material better when they are given the option to study the material at their own pace and in their own timing. They also stated that they do not need to attend a given session in order to understand a topic. They want to only attend the lectures that they need. Students stated that if lecturers give them the material they need to learn, they could learn it on their own.
- They also commented that if they are going to have live sessions they should be either problems sessions where students are engaging with the material and being challenged, or they should be open ended office hour type sessions where students can come with questions they have prepared themselves so as to better understand the material they are struggling with.
- Students stated that mandatory attendance only makes sense in a scenario where a student can only gain the skills or insight by participating together in that particular activity. Lectures on biostatistics or research methods do not fall into this category. Students should be empowered to direct their own education in every area where it is feasible.
- Students requested that *“more advanced students should be able to test out of lower levels without going through every single module.”*

Recommendations for improvement

Spanish Courses

- MS1s didn't like 100% online Spanish, and thought a hybrid system was better, because they didn't have interaction. Students wanted to learn more speaking and listening.
- MS1s thought Canopy was disorganized and does not teach Spanish properly. Students are more interested in conversational Spanish, and think it is more important than grammar. But, Canopy focuses on grammar more than conversation.
- Students thought most of the assignments in Spanish were useless. Secondly, those students in a lower level of Spanish had 10x more work than the upper levels. Students felt that they were getting punished for not knowing Spanish.

Recommendations for improvement

Biostatistics Courses

- There is a big variation in biostatistics knowledge in the class. Although some students commented that biostatistics was challenging and beyond the scope of what we they needed to know, and the curriculum has to change and become easier; on the other hand, some students commented that they wanted the class to be more advanced, and to do even basic statistics programming.
- Students were not happy with biostatistics in 3 weeks, and needed more time.
- The online biostatistics modules were long and difficult to navigate through the module and they couldn't go to the exact location that they needed and had to see the whole module from the very beginning, and they had to do all of the questions again. It needs to be more user friendly. Students also wanted to have the option to speed up the audios.
- Students think the biostatistics lectures were very hard to follow without adequate practice problems.
- Students thought having biostatistics lectures before submitting their SARP proposal is beneficial.
- A refresher course on biostats/epid before the STEP exam would help.

Recommendations for improvement

Exams & Assignments

- The load of work/assignments/lectures for this class sometimes is more overwhelming and time-consuming than other classes combined. Assignments should become less or more concise.
- Students need timely feedback. The problem set was due after the exam and students could not use the feedback from the problem set for their final exam.
- Students wanted a better way of evaluating their understanding of the non-biostatistics portion of the course. Exam questions regarding these portions often do not require any critical thinking, just memorization.
- Some of the exam questions seem subjective in nature with most of the answer choices being defensible, if it was in an essay format.
- The public health questions do not accurately reflected the content in the lectures.
- Last minute assignments were annoying.
- The lectures on the exam was provided less than 2 weeks prior to the final. There were more lectures to review than normal with less time available. Please give the list of lectures at least 1 month in advance from final/sci exam date.
- Students think it would be a good idea if they had an exam after immersion (instead of mid-term), when the information is still fresh in their mind. With the exam, students will take immersion more serious. Also, teachers can use immersion to find out about the weaknesses of students.
- Students wanted the SCI exam to be at a different time, as a separate exam, so that they can focus on SCI, and SCI is not neglected. Now most of their time is used for reading SPM. Students want SPM exam first and then the SCI exam, so that they can put time separately for SCI.

Recommendations for improvement

Other Comments

- Students want more interaction and more real like scenarios. Teamwork might be an option.
- Students wanted more practice questions and USMLE style questions to get ready for the STEP exam.
- Long sessions in the panel are tiresome and should be shortened or split up. The medical insurance panel was too long (4 hours), and tiring.
- Students need more user friendly software. It was difficult to access some old material on Champ.
- Students did not like the online virtual environment for the integrated sessions with other professions (Team Steps).
- Material should be more tailored for physicians. More in simple language, not MPH or PhD level. And more tailored for clinical practice.
- It seems like a waste of expertise and resources when professionals come in from the community and then students are we split up into discussions groups and they are expecting the students to say everything or answer questions.
- It is a good idea to introduce students to professionals such as social workers and CHWs but might be worthwhile to discuss the roles of psychologists and other counselors in the context of mental health care, as well.
- Some lectures do not require group activities. *“For example, the CHW and Social work lecture ...”*
- Some SCI lectures started with 10 minutes of introductory remarks and these remarks had already been sent to students in emails.”
- Better follow-up on preceptors is needed. Preceptors need a clear and fixed schedule. *“I did not find any of the preceptor visits useful. My preceptor hardly even spoke to me.”*

The End



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Year 3 Clerkship	Name	Title	FTE
Internal Medicine	Suvarna Guvvula	Clerkship Director	0.5
	Charishma Boppana	Assistant Clerkship Director	0.1
Psychiatry	Patricia Ortiz	Clerkship Director	0.4
	Christopher Castaneda	Assistant Clerkship Director	0.2
Surgery	John Lawrence	Clerkship Director	0.5
	.Grace Ng	Assistant Clerkship Director	0.1
Family Medicine	Colby Genrich	Clerkship Director	0.4
	Chenai Nettey	Assistant Clerkship Director	0.2
Pediatrics	Lynn Hernan (Fuhrman) retiring; replacement pending	Clerkship Director	0.5
	Ajay Singh – replacing Dr W	Assistant Clerkship Director	0.1
OB/GYN	Patricia Rojas Mendez	Clerkship Director	0.5
	Stephanie Mishaw	Assistant Clerkship Director	0.1

Year 4 Clerkship	Name	FTE
Surgery Sub I	Alonso Andrade	0.2
IM Sub I	Fatma Dihown	0.2
FM Sub I	Gerardo Vazquez	0.2
Pediatrics Sub I	Ittay Moreno	0.2
OB/GYN Sub I	Mary Ann Son	0.2
MICU	Harold Hughes	0.1
CVICU	Debabrata Mukherjee	0.1
PICU	Avi Kopstick	0.1
NICU	Ajay Singh	0.1
SICU	Grace Ng (replacing Susan McLean temporarily until new physician arrives)	0.1
Neuro ICU	Anantha Vellipuram	0.1
Emergency Medicine	Michael Parsa	0.5
	Kelley Stanko – Assistant Clerkship Director EM	0.1
Neurology	Sushma Yerram	0.5
Bootcamp Co-director	Neha Sehgal	0.25
Bootcamp Co-director	Wajeeha Saeed (Replacing Dr. Charishma Boppana)	0.25

Curriculum Vitale

Margo N. Carlin

6720 Congress Avenue, #205
Boca Raton, FL 33487

drmargocarlin@gmail.com
T 267-279-4416

EDUCATION

B.S.	Temple University, Chemistry, Spanish	2004-2010
D.O.	Philadelphia College of Osteopathic Medicine	2010-2014
Internship	Anesthesiology, Larkin Community Hospital	2014-2015
Residency	General Surgery, Larkin Community Hospital	2015-2019
Fellowship	Acute Care Surgery, Emory University	2019-2020
Fellowship	Surgical Critical Care, Kendall Regional Medical Center	2020-2021
Research	Trauma Critical Care Research Fellow, Florida International University	2020-2021

LICENSURE

Georgia Medical License #82581	Issued: 03/19/2019 Expires: 04/30/2022
Florida Medical License #OS15653	Issued: 09/27/2018 Expires: 03/31/2022

CERTIFICATIONS

American Osteopathic Board of Surgery #3251	12/20/2019
Fundamentals of Laparoscopic Surgery (FLS)	05/2019
Fundamentals of Endoscopic Surgery (FES)	05/2019
Basic Life Support (BLS)	2018-2022
Advanced Cardiovascular Life Support (ACLS)	2018-2022
Pediatric Advanced Life Support (PALS)	2018-2022
Advanced Trauma Life Support (ATLS)	2019-2023
Certificate of Completion, Thoracic Trauma Technology Symposium	2017

EMPLOYMENT

Teaching Assistant, Gross Anatomy Philadelphia College of Osteopathic Medicine	2011
Work Study, Gross Anatomy Lab Philadelphia College of Osteopathic Medicine	2011-2012

Instructor of Applied Anatomy, Cadaver Lab 2015
Miami Anatomical Research Center (M.A.R.C)

Occupational Medical Center, Physician 10/2018-06/2019
Miami, Florida

Medical Services Corporation, Physician 10/2018-07/2019
Miami, Florida

LEADERSHIP

Chief Resident, General Surgery, Larkin Community Hospital
Performance Improvement Committee, Larkin Community Hospital

HONORS/AWARDS

Temple University

Four-year Partial Academic Scholarship	2006-2010
Dean's List	2006-2010
Walt Disney World College Internship	2006
Distinction in Major	2010
Sigma Delta Pi Sociedad Nacional Honoraria Hispánica	2010

Philadelphia College of Osteopathic Medicine

Class of 1985 Scholarship
Philadelphia College of Osteopathic Medicine Foundation Scholarship
Class Gift Scholarship
D.O. Scholarship
Dr. T.M. Rowland Junior Scholarship
Robert Wood Johnson Scholarship
American Trauma Society Medical Student Scholarship
Board of Trustees Scholarship

1st Place Award - Robert C. Erwin Literary Competition, American College of Osteopathic Surgeons, 2018

4th Place Award - Robert C. Erwin Literary Competition, American College of Osteopathic Surgeons, 2018

Outstanding Resident of the Year in Surgery Award, American Osteopathic Foundation & American College of Osteopathic Surgeons, 2018

4th Place Award - Robert C. Erwin Literary Competition, American College of Osteopathic Surgeons, 2019

Oriens Award, Fellow - Eastern Association for the Surgery of Trauma, 2020

PROFESSIONAL MEMBERSHIPS

2015 - Current	American College of Osteopathic Surgeons
2016 - Current	Resident and Associate Society American College of Surgeons
2016 - Current	Florida Medical Association
2016 - Current	Association for Academic Surgery
2016 - Current	Florida Chapter, American College of Surgeons
2019 - Current	Eastern Association For The Surgery of Trauma (EAST)
2020 - Current	American Association For The Surgery Of Trauma (AAST)
2020 - Current	American Society For Parenteral And Enteral Nutrition (ASPEN)

PUBLICATIONS

Castater C, **Carlin M**, Koganti D, Hurst S, Sciaretta J, Dente C, Todd R. Intra-abdominal Inferior Vena Cava Injuries: Operative Strategies and Outcomes: Review Article. American Surgeon. (Pending print)

Tracy BM, **Carlin MN**, Tyson JW, Schenker ML, Gelbard RB. The 11-Item Modified Frailty Index as a Tool to Predict Unplanned Events in Traumatic Brain Injury. Am Surg. 2020 Aug 22;3134820942196. doi: 10.1177/0003134820942196. Epub ahead of print. PMID: 32829642.

Melmer, P., **Carlin, M.**, Castater, C.A., Koganti, D., Hurst, S.D., Tracy, B.M., Grant, A.A., Williams, K., Smith, R.N., Dente, C.J. and Sciarretta, J.D., 2019. Mass casualty shootings and emergency preparedness: a multidisciplinary approach for an unpredictable event. Journal of Multidisciplinary Healthcare, 12, p.1013

Daneshpajouh, A., **Carlin, M.**, Belnavis, Z., Martinsen, B.J. and Ricotta, J., 2019. Atherectomy Treatment Strategies of Above Knee-Only or Combined Above Knee and Below Knee Both Result in Successful Reduction of Stenosis as Measured by DUS PSVR. *Annals of Vascular Surgery*, 61, pp.18-19.

Fokin, A., Puente, I., Katz, J., Tymchak, A., Viitaniemi, S., Daneshpajouh, A. and **Carlin, M.**, 2018, April. Reduction in Futile Interventions in Trauma ICU Patients Receiving Palliative Care Consultation. Journal of The American Geriatrics Society. Vol. 66, pp. S230-S230.

Carlin M, Daneshpajouh A, Catino J, Bukur M. Money Well Spent? A Cost & Utilization Analysis of Prophylactic Inferior Vena Cava Filter Placement in High-Risk Trauma Patients. Journal of Surgical Research. December 2017. (220)105-111.

ABSTRACTS ACCEPTED FOR PRESENTATIONS

Carlin M, Daneshpajouh A, Krupnov I, Sanchez A, Batasin M, Morejon O, Ricotta J. *The J Sign Is Characteristic of Superior Vena Cava Occlusion*. Case Report Submission: Society for Clinical Vascular Surgery 48th Annual Symposium. March 2021.

Carlin M, Vora A, Nguyen J, Sciarretta J, Butler C, Grant A. *The Traumatically Broken Heart: A Case of Cardiac Tamponade After Blunt Trauma*. Video Presentation. American College of Surgeons. Clinical Congress, 2020. Chicago, Illinois.

Carlin M, Tracy B, Tyson J, Schenker M, Gelbard R. *The 11-Item Modified Frailty Index as a Tool to Predict Unplanned Events in Traumatic Brain Injury*. Podium Presentation. Southeastern Surgical Surgical Congress. Annual Meeting, 2020. New Orleans, Louisiana.

Carlin M, Daneshpajouh A, Hus N. *Minimally Invasive Approach to Identification & Removal of Foreign Bodies, Including Bullet Fragments*. e-Poster Presentation. American College of Surgeons. Clinical Congress, 2018. Boston, Massachusetts.

Carlin M, Daneshpajouh A, Catino J, DiMaggio C, Frangos S, Bukur M. *Increase In Neutrophil / Lymphocyte Ratio is Associated With Evolution of Hemorrhage After Traumatic Brain Injury*. Poster Presentation. Annual Clinical Assembly of Osteopathic Surgeons, October 2018, Atlanta Marriott Marquis, Atlanta, Georgia.

Carlin M, Daneshpajouh A, Catino J, DiMaggio C, Frangos S, Bukur M. *Increase In Neutrophil / Lymphocyte Ratio is Associated With Evolution of Hemorrhage After Traumatic Brain Injury*. Podium Presentation. Annual Clinical Assembly of Osteopathic Surgeons, October 2018, Atlanta Marriott Marquis, Atlanta, Georgia.

Carlin M, Daneshpajouh A, Mosio J, Vega G, Masri M, Catino J. *Biventricular Takostsubo Cardiomyopathy in a Professional Athlete: A Case Report*. Poster Presentation. Annual Clinical Assembly of Osteopathic Surgeons, October 2018, Atlanta Marriott Marquis, Atlanta, Georgia.

Daneshpajouh A, **Carlin M**, Rodriguez E, Hus N. *Outcomes After Sternal Fracture Fixation: A Single Center's Experience*. Poster Presentation. Annual Clinical Assembly of Osteopathic Surgeons, October 2018, Atlanta Marriott Marquis, Atlanta, Georgia.

Carlin M, Daneshpajouh A, Katz J, Tymchak A, Fokin A, Puente, I. *Reduction of Futile Interventions in Trauma ICU Patients Receiving Palliative Care Consultation*. Poster Presentation. 2018 Annual Scientific Meeting of the American Geriatrics Society, May 2018, Walt Disney World Swan and Dolphin Hotel, Orlando, Florida.

Daneshpajouh A, **Carlin M**, Katz J, Tymchak A, Fokin A, Puente, I. *Reduction of Futile Interventions in Trauma ICU Patients Receiving Palliative Care Consultation*. Podium

Presentation. Florida Committee on Trauma, April 2018, Loews Sapphire Falls Resort, Orlando, Florida.

Carlin M, Daneshpajouh A, Catino J, DiMaggio C, Frangos S, Bukur M. *Increase In Neutrophil / Lymphocyte Ratio is Associated With Evolution of Hemorrhage After Traumatic Brain Injury*. QuickShot Presentation. 31st EAST Annual Scientific Assembly, January 2017, Disney's Contemporary Hotel, Orlando, Florida.

Carlin M, Daneshpajouh A, Catino J, Bukur M. *Money Well Spent? A Cost & Utilization Analysis Of Prophylactic Inferior Vena Cava Filter Placement In High-Risk Trauma Patients*. QuickShot Presentation. 12th Annual Academic Surgical Congress, January 2017, Encore Hotel, Las Vegas, Nevada.

Patel A, Daneshpajouh A, **Carlin M**, Masri M, Castrellon R. *A Case Report of the Surgical Management of a Complex Penile Wound with Negative Pressure Wound Therapy with Automated Instillation and Dwell Time*. Podium Presentation. 2017 Annual Clinical Assembly of Osteopathic Surgeons, Gaylord Convention Center, National Harbor, Maryland.

RESEARCH SUPPORT

Project Title: Role Of The Ketogenic Diet In Neuroinflammation After Traumatic Brain Injury

Principal Investigator: Ivan Puente MD

Co-Principal Investigator: Margo Carlin DO

Study Type: Prospective Randomized Multicenter Study

IRB Approval: 9/9/2020

Extramural Funding Source: Nutricia North America

Date Received: 12/6/2020

Grant Award: \$16,160.40

ACTIVE PROJECTS

Carlin M, Strasbury B, Paserin A, Morejon M. *The Role Of Noninvasive Ventilation In The Management of Acute Rib Fractures: A Retrospective Review*. IRB Approval Pending.

Carlin M, Fokin A, Puente I. *Impact Of Leukocyte Differential On Outcomes After Trauma*. Retrospective Review. IRB Approval: 10/27/2020.

Carlin M, Davis B, Fokin A, Puente I. *The Role Of The Ketogenic Diet In Neuroinflammation After Traumatic Brain Injury*. Prospective Randomized Multicenter Study. IRB Approval: 9/9/2020.

Carlin M, Dante G, Liu J, Daneshpajouh A, Sciarretta J, Ramos C, Benarroch-Gampel J, Rajani R. *Normal Arterial Pressure Index Does Not Rule Out Upper Extremity Vascular Injury*. Case Report Submission: Society for Clinical Vascular Surgery 48th Annual Symposium. March 2021.

Carlin M, Steck A, Durr E, Sciarretta J, Smith R. *Acute Pain Management & Predictors of Chronic Opioid Use After Trauma*. Retrospective Review. IRB Approval: 4/1/2020. IRB00117236

Carlin M, Crane B, Sciarretta J, Williams K. *De Novo Pulmonary Thrombosis After Trauma*. Retrospective Review. IRB Proposal: STUDY00000256.

Castater C, **Carlin M**, Koganti D, Sciarretta J. *Pneumothorax, Hemothorax, & Chest Tubes in Trauma Patients*. Retrospective Review. IRB Proposal: STUDY00000248.

Carlin M, Sciarretta J, Smith R, Grant A, Busby S, Williams K, Todd S. *Oncologic Colorectal Surgery and Concomitant Inflammatory Bowel Disease: ACS-NSQIP Analysis of Clostridium Difficile Infection Risk*. Retrospective Review. Abstract Submitted: AAST, Annual Assembly, 2020

ORAL PRESENTATIONS

The Traumatically Broken Heart: A Case of Cardiac Tamponade After Blunt Trauma. 2020
Video Presentation
American College of Surgeons
Clinical Congress
Chicago, Illinois.

Endpoints of Resuscitation & Fluid Resuscitation After Trauma 2020
Trauma Grand Rounds
Kendall Regional Medical Center
Miami, FL

The 11-Item Modified Frailty Index as a Tool to Predict Unplanned Events in Traumatic Brain Injury 2020
Podium Presentation
Southeastern Surgical Congress, Annual Meeting
New Orleans, Louisiana

Increase In Neutrophil / Lymphocyte Ratio is Associated With Evolution of Hemorrhage After Traumatic Brain Injury 2018
Podium Presentation
Annual Clinical Assembly of Osteopathic Surgeons
Atlanta, Georgia

<i>Biventricular Takotsubo Cardiomyopathy in a Professional Athlete: A Case Report</i>	2018
Poster Presentation Annual Clinical Assembly of Osteopathic Surgeons Atlanta, Georgia	
<i>Pseudoaneurysms In The Trauma Patient</i>	2018
Podium Presentation Trauma Education Day Delray Medical Center, Delray, Florida	
<i>Reduction of Futile Interventions in Trauma ICU Patients Receiving Palliative Care Consultation</i>	2018
Poster Presentation American Geriatrics Society Annual Meeting Orlando Florida	
<i>Increase In Neutrophil / Lymphocyte Ratio is Associated With Evolution of Hemorrhage After Traumatic Brain Injury.</i>	2018
Quick Shot Presentation 31 st EAST Annual Scientific Assembly Orlando, Florida	
<i>Money Well Spent? A Cost & Utilization Analysis Of Prophylactic Inferior Vena Cava Filter Placement In High-Risk Trauma Patients.</i>	2017
Quick Shot Presentation 12 th Annual Academic Surgical Congress Las Vegas Nevada	
<i>Anal Squamous Cell Carcinoma</i>	2017
Tumor Board Larkin Community Hospital, Miami, Florida	
<i>Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA)</i>	2017
Podium Presentation Trauma Education Day Delray Medical Center, Delray, Florida	
<i>Renal Carcinoma</i>	2017
Tumor Board Larkin Community Hospital	
<i>Pediatric Trauma Resuscitation</i>	2016

Podium Presentation
Trauma Education Day
Delray Medical Center, Delray, Florida

Thyroid Carcinoma 2016
Head & Neck Tumor Board
Baptist Hospital, Miami, Florida

CONFERENCES

Annual Meeting, American College of Surgeons, Virtual	2020
Annual Meeting, American Association for the Surgery of Trauma, Virtual	2020
Annual Meeting, Southeastern Surgical Congress, New Orleans, LA	2020
Annual Clinical Assembly of Osteopathic Surgeons, Colorado Springs, CO	2019
Annual Clinical Assembly of Osteopathic Surgeons, Atlanta GA	2018
American Geriatrics Society Annual Scientific Meeting, Orlando FL	2018
Florida Committee on Trauma Business Meeting, Orlando FL	2018
31 st EAST Annual Scientific Assembly, Orlando FL	2017
12 th Annual Academic Surgical Congress, Las Vegas NV	2017
Thoracic Trauma Technology Symposium, Palm Beach Gardens FL	2017
Regenerative Medicine, ACell Surgeon Training Course, Miami FL	2016
American Trauma Society Annual Conference, Hershey PA	2013
Temple University Emergency Medicine Symposium, Phila PA	2012
Thomas Jefferson Surgery Symposium, Phila PA	2011

RESEARCH INTERESTS

Traumatic Brain Injury
Neuroinflammation
Nutrition
Traumatic Inflammatory Shock
Trauma Outcomes

Wajeeha Saeed, MD

1237 Calle Del Sur Dr, El Paso, TX 79912

wajsaeed@yahoo.com

Phone: 347-327-2736

Faculty academic appointment:

1/22-present Texas Tech University Health Sciences Center, El Paso, TX

09/20- 12/21 Cleveland Clinic, Internal medicine center of Akron, Akron General, Akron, OH

Postdoctoral Training:

07/12-07/15	Internal medicine residency	Albert Einstein College of Medicine, Bronx-Lebanon Hospital, Bronx, NY
05/10-06/12	Heart failure research fellow	Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, NY

Education

1998-2003 M.B; B.S University of Karachi, Sindh Medical College, Pakistan

2017- present MPH Johns Hopkins Bloomberg school of public health

Board Certification

2016 American board of Internal Medicine

Medical License

2020 Ohio medical board 35.139722

Awards

2013 Best abstract presentation. ISMICS, Prague.

2010 Best Poster presentation award. American College of Physician annual meeting, 2009, Philadelphia.

Funded Project

2011-2012 Galectin-3 levels in diastolic heart failure induced pulmonary arterial hypertension.
BG Medicine award \$25,000
PIs: Ronald Zolty, MD, PhD

Membership in Professional Societies

2013- American Medical Association
2013- American College of Physician

Volunteer work

2002 Polio vaccination campaign in Karachi, Pakistan

Publications/ Peer reviewed articles

Murtaza G, Memon IA, Omer AK, Sardar MR, Memon R, **Saeed W**. Spectrum of liver disorders in children: A hospital based study. Pakistan Pediatric Journal. 2006 Sep; 30(3): 124-126.

Lal A, Bhurgri Y, Rizvi N, Virwani M, Memon RU, **Saeed W**, Sardar MR, Kumar P, Shaikh AJ, Adil S, Masood N, Khurshed M. Factors influencing in-hospital length of stay and mortality in cancer patients suffering from Febrile Neutropenia. Asian Pacific Journal of Cancer Prevention. 2008 Jun; 9(2): 303-308.

Rabbani MA, Habib HB, Islam M, Ahmad B, Majid S, **Saeed W**, Shah SM, Ahmad A. Survival Analysis and prognostic indicators of Systemic Lupus Erythematosus in Pakistani patients. Lupus. 2009 Aug; 18(9):848-55. Cited in Pub Med; PMID: 19578112.

Zuberi LM, Awan S, Islam N, Akhter J, Jabbar A, **Saeed W**. Does choice of therapy save costs and improve outcomes in hyperthyroid patients? Journal of Pakistan Medical Association. 2008 Jun; 58(6): 309-312. Cited in PubMed; PMID: 18988389.

Sardar MR, Kuntz C, Mazurek JA, Akhtar NH, **Saeed W**, Shapiro T. Recurrent takotsubo cardiomyopathy in the setting of transient neurological symptoms: a case report. Journal of Medical Case Reports. 2011 Aug; 5(1): 412.

Sardar MR, Kuntz C, Patel T, **Saeed W**, Gnall E, Imaizumi S, Lande L. Primary pericardial mesothelioma unique case and literature review. Tex Heart Inst J. 2012;39(2):261-4.

Sardar MR, Phiambolis TP, **Saeed W**, McGeehin FC, Badri M. The tale of the wandering circumflex. Eur Heart J Cardiovasc Imaging. 2012 Nov;13(11):965.

Maqsood K, Gnall E, **Saeed W**, Woo YJ, Sarvar N, Iqbal MM, Syed W, Sardar MR. Giant left main coronary artery aneurysm in a cocaine abuser. QJM Oct 15, 2012.

Saeed W, Tiawari N, Sardar MR, Salamon JN, Rab Z, Iqbal MM, Zolty R. Affect of Warfarin on Long Term Pulmonary Arterial Hypertension (PAH) Mortality: Change of facts? Circulation. 2011; 124: A16034

Badri M, Iqbal MM, Lahoti A, **Saeed W**, Mohammed K, Gnall E, Zolty R, Sardar MR. Takotsubo cardiomyopathy case series A potential role of beta blockers? J Am Coll Cardiol. 2012;59(13s1):E882E882

Lahoti A, **Saeed W**, Badri M, Gnall E, Sardar MR, Zolty R. Impact of statins on long term mortality in heart failure with preserved ejection (HFPEF). J Am Coll Cardiol. 2012;59(13s1):E1010-E1010 Kelesidis I, Mazurek J, Khullar P, **Saeed W**, Vittorio T, Zolty R. The Effect of Nesiritide on Renal Function and Other Clinical Parameters in Patients with Decompensated Heart Failure and Preserved Ejection Fraction. Congestive Heart Failure Journal. 2012 May-Jun;18(3):158-64.

Kelesidis I, Mazurek J, **Saeed W**, Chaudhari R, Velankar P, Zolty R. Effect of Nesiritide in Isolated Right Ventricular Failure Secondary to Pulmonary Hypertension. Congestive Heart Failure Journal. 2012 Jan-Feb;18(1):18-24

Badri M, **Saeed W**, Sardar MR. The role of Aspirin in primary prevention of vascular events. *American Journal of Medicine*. 125:12 2012 Dec pg e11.

Maqsood K, Badri M, Burke JF, **Saeed W**, Mirrani G, Sarwar N, Kusick J, McGhehin F, Coady P, Sardar MR. Spontaneous coronary dissection presenting with reperfusion arrhythmia: Case Reports in *Clinical Medicine* . Vol.2, No.3, 159-162 (2013).

Saeed W, Kusick J, Sardar MR, Gnall E, Wajihuddin S, Burke JF. Stroke prevention in atrial fibrillation: pharmacologic update. *American Medical Journal*.2013. 4 (2), 143.

Sardar MR, Goldstein SA, **Saeed W**, Weissman G. J. A long-kept secret in the heart. *Am Coll Cardiol*. 2014 Apr 8;63(13):e27.

Sardar MR, Lahoti A, Khaji A, **Saeed W**, Maqsood K, Zegel HG, Romanelli JE, McGeehin F. A Tale of a Recurrent Right Ventricular Cardiac Myxoma in a patient with Carney Complex. *J Med Case Rep*. 2014 May 2;8(1):134.

Mirrani G, Akbar G, **Saeed W**, Patil S, Sardar MR. Unusual Doppler finding in fatal right ventricular outflow obstruction caused by lymphoma. *Eur Heart J Cardiovasc Imaging*. 2014 Jun 17. pii: jcu117. *Eur Heart J Cardiovasc Imaging*. 2014 Nov;15(11):1304.

Sardar MR, **Saeed W**, Kowey PR. Antiarrhythmic Drug therapy for atrial fibrillation. *Cardiol Clin* - (2014) DOI: 10.1016/j.ccl.2014.07.012.

Sardar MR, Pieczynski L , **Saeed W** , Domskey S , Shapiro T , Coady P. All at once. *JACC Intervention*. Vol 7, no 10, 2014.

Sardar MR, **Saeed W**, Kowey PR. Antiarrhythmic Drug Therapy for Atrial Fibrillation. *Heart Fail Clin*. 2016 Apr;12(2):205-21.

Saeed W, Burke JF, Mirrani G, Sirinivasa M, Nabi U, Hayat U, Khan Z, Sardar MR. A Paradigm Shift: The New Novel Oral Anticoagulation Agents. *Journal of the College of Physicians and Surgeons Pakistan* 2016, Vol. 26 (7): 611-619

Uribe C, **Saeed W**, Tenario M, Carlos CE, Rubo C, Ochoa JA, Njoh R, Sardar MR, Lombo B, Forrest JK. Long-term Outcomes after Percutaneous Mitral Valvuloplasty in Colombia, South America. Accepted for publication in *Journal of Heart and Cardiology*.

Khan ZA, Janah A, Soomro A, Malik S, Saeed W, Sardar MR. When We Should Say No to TAVR – Defining the Line between Utility and Futility. *Cardiovasc Revasc Med*. 2016 Jun 16. pii: S1553-8389(16)30153-1. doi: 10.1016/j.carrev.2016.05.009. [Epub ahead of print].

Khan ZA, Akbar G, **Saeed W**, Malik S, Khan F, Sardar MR. Ventricular Fibrillation with Intracoronary Adenosine during Fractional Flow Reserve Assessment. *Cardiovasc Revasc Med*. 2016 Jul 20. pii: S1553-8389(16)30191-9. doi: 10.1016/j.carrev.2016.07.004. [Epub ahead of print]

Oral Presentations

Mazurek JA, Sardar MR, **Saeed W**, Zolty R. Relaxin Levels Elevated in Patients with Pulmonary Arterial Hypertension. ISHLT 2011 San Diego.

Saeed W, Kelesidis I, Khullar P, Saeed W, Vittorio T, Ronald Zolty. Effect of Nesiritide on Renal Function in Patients with Decompensated Diastolic Heart Failure secondary to pulmonary hypertension. Presented at ISHLT 2011 San Diego.

Selim A, Sardar MR, **Saeed W**, Velankar P, Soghier I, Zolty R. Short Term Mortality and Readmission Rates in Patients Hospitalized for Acute Heart Failure: a Comparison between the Specialized Cardiology Services and General Medicine. Scientific session of American College of Cardiology 2011 meeting.

Sardar MR, **Saeed W**, Rab Z, Salamon JN, Zolty R. Hypoalbuminemia Is a Predictor of Mortality in Pulmonary Arterial Hypertension: A Retrospective Analysis. ISHLT 2011

Badri M, **Saeed W**, Lahoti A, Salamon J, Gnall E, Zolty R, **Sardar MR**. Effect of obesity on mortality in pulmonary arterial hypertension: A retrospective analysis. J Am Coll Cardiol. 2012;59(13s1):E1590-E1590

Sardar MR, **Saeed W**, Pieczynski L, Badri M. All at once. Presented in TCT@ACC-i2 Challenging Cases at ACC 2014 meeting at Washington DC.

Book Chapters

Farhan ML, Zinn A, Nabi U, Topalian S, **Saeed W**, Khan Z, Sardar R. Overview of Takotsubo Cardiomyopathy and Role of Multimodal Imaging. NOVA publishers. publication year 2016. ISBN: 978-1-63484-624-0

Sardar MR, **Saeed W**, Wong C. Chapter: Class I Antiarrhythmic Medications. Book: Color Atlas and Synopsis of Electrophysiology (SET) 1st Edition. McGraw-Hill Company. ISBN. 9780071786263 0071786260.

Farhan M, Vikram F, **Saeed W**, Evertt G, Lal A, Sardar MR. Myeloproliferative Diseases: Classification, Diagnosis and Treatment. NOVA publishers. pp.55-74, publication year 2014. ISBN: 978-1-63321-201-5

Sardar MR, Iqbal MM, **Saeed W**. Aphasia: Classification, Management Practices and Prognosis.

Series: Languages and Linguistics. NOVA publishers. ISBN: 978-1-62257-682-1 **Abstracts**

Akbar G, Badri M, Prince C, **Saeed W**, Mirrani G, Ameen M, Soomro AY, Shapiro T, Sardar MR. Role of Cardiac Biomarkers in Diagnosing Takotsubo Cardiomyopathy from Left Anterior Descending Artery ST Elevation Myocardial Infarction. Circulation. 2014;130:A19143. Presented at American Heart Association (AHA) Chicago, Illinois, 2014.

Sardar MR, **Saeed W**, Wertan M, Badri M, Senss T, Sutter F. Incidence of Postoperative Atrial Fibrillation (POAF) after Robotic CABG versus Traditional CABG and Its Associated Mortality and Morbidity. Poster presentation at ACC 2014 meeting at Washington DC.

Sardar MR, Badri M, Prince C, **Saeed W**, Seltzer J, Williams M, Kowey P. How Representative of the General Population Are the Cohorts Included in the Clinical Trials That Drive Our Guidelines? American Heart Association AHA, Dallas, TX, 2013.

Saeed W, Sardar MR, Zolty R. Prevalence of Internet Use for Congestive Heart Failure Education: A Pilot Study. Poster to be presented at: American College of Cardiology (ACC); San Francisco, CA. (2013, March)

Sardar MR, Maqsood K, Sutter F, Wertan MA, **Saeed W**, Badri M, Mirrani G, Ferdinand F, Shapiro T. Patency of Internal mammary artery (IMA) graft in Robotic surgery. A single center experience. Society for Cardiac Angiography and Interventions, Orlando, FL, 2013.

Kelesidis I, **Saeed W**, Mazurek J, Chaudhari R, Zolty R. Effect of Nesiritide on Renal Function in Patients with Decompensated Diastolic Heart Failure: Comparison of Patients with Isolated Right Ventricular Failure with Patients with Normal Right Ventricular Function. JACC. 1017-45,15.

Kelesidis I, Khullar P, **Saeed W**, Vittorio T, Zolty R. The Role Of Nesiritide On Renal Function In Patients With Decompensated Heart Failure And Preserved Left Ventricular Function. JACC. 1052-28,17.

Mazurek JA, **Saeed W**, Velankar P, Selim A, Zolty R. Mediators in Pulmonary Hypertension: A Comparison Between Pulmonary Arterial Hypertension and Diastolic Heart Failure-Induced Pulmonary Hypertension. Circulation. 2010;122:A18726

Sardar MR, Rab Z, Salamon JS, **Saeed W**, Zolty R. Hypoalbuminemia Is an Independent Predictor of Long Term Mortality in Patients with Heart Failure with Preserved Ejection Fraction (HFpEF). Journal of Cardiac Failure Vol. 17, Issue 8, Supplement, Pages S82-S83. Heart Failure Society of America (HFSA), Boston, Massachusetts, 2011

Rab Z, **Saeed W**, Salamon J, Sardar MR, Zolty R Use of Fish Oil in Systolic Heart Failure (SHF): A Retrospective Mortality Analysis. Journal of Cardiac Failure Vol. 17, Issue 8, Supplement, Page S65. Heart Failure Society of America (HFSA), Boston, Massachusetts, 2011 MR,

Sardar MR, **Saeed W**, Rab Z, Salamon JN, Zolty R. Hypoalbuminemia Is a Predictor of Mortality in Pulmonary Arterial Hypertension: A Retrospective Analysis. The Journal of Heart and Lung Transplantation Vol. 30, Issue 4, Supplement, Pages S107-S108. (The International Society for Heart & Lung Transplantation (ISHLT), San Diego, CA, 2011.

Salamon JN, Sardar MR, **Saeed W**, Zolty R. Anti-Inflammatory Drugs Improve Mortality in Pulmonary Hypertension. The Journal of Heart and Lung Transplantation Vol. 30, Issue 4, Supplement, Pages S170-S171. The International Society for Heart & Lung Transplantation (ISHLT), San Diego, CA, 2011
Salamon JN, Sardar MR, **Saeed W**, Zolty R. Role of Inflammation in Patients with Both Pulmonary Hypertension and Atrial Fibrillation. The Journal of Heart and Lung Transplantation Vol. 30, Issue 4, Supplement, Pages S170-S171. The International Society for Heart & Lung Transplantation (ISHLT), San Diego, CA, 2011

Lahoti A, Badri M, Iqbal M, Mohammed KS, **Saeed W**, Gnall E, Zolty R, Sardar MR. The Role of Cardiac Biomarkers in Takotsubo Cardiomyopathy. The Journal of Heart and Lung Transplantation Vol. 31, Issue 4, Supplement, Page S152. The International Society for Heart & Lung Transplantation (ISHLT) (Prague, Czech Republic, 2012)

Mazurek JA, Sardar MR, **Saeed W**, Zolty R. Relaxin Levels Elevated in Patients with Pulmonary Arterial Hypertension. The Journal of Heart and Lung Transplantation Vol. 30, Issue 4, Supplement, Page S15. The International Society for Heart & Lung Transplantation (ISHLT), San Diego, CA, 2011

Sardar MR, Lahoti A, Iqbal M, **Saeed W**, Tauras JM, Badri M, Gnall E, Zolty R. Takotsubo case series: role of beta blockers and pro-BNP/troponin-T ratio. *Circulation*. 2012;125:e741-e925. World Congress of Cardiology.

Industry Sponsored Research Experience

An Observational Prospective Registry to Identify Demographic and Clinical Characteristics of Patients Hospitalized with Euvolemic and Hypervolemic Hyponatremia and Assess the Comparative Effectiveness of Available Treatments and the Impact on Resource Utilization.(HN Registry). Montefiore Medical Center, Weiler division. NY. 2010- 2012.

Registry to PROSPECTively Describe Use of Epoprostenol for Injection (RTS Epoprostenol) in Patients with Pulmonary Arterial Hypertension. (PROSPECT). Montefiore Medical Center, Weiler division. NY. 2010- 2012.

A 12-week, double-blind, international, multicenter, dose-response study of the safety and efficacy of Beraprost Sodium Modified Release (BPS- MR) in patients with pulmonary arterial hypertension (PAH). (Lung Rx 203). Montefiore Medical Center, Weiler division. NY. 2011.

An open-label extension of BPS-MR-PAH-203 in pulmonary arterial hypertension (PAH) patients. (Lung Rx 204). Montefiore Medical Center, Weiler division. NY. 2011.

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