

Announcements Trainee Opportunities in CT Surgery

By: Clauden Louis Clinical Scenarios Interview with the editors TSRA Webinar "Applying to Cardiothoracic Fellowship in the COVID Era"

By: Evan Rotar New Edition of SESATS (13), is now available. SESATS is a comprehensive online tool used to study and review the essential aspects of cardiac and thoracic surgery.

TSRA Webinar "Applying to Cardiothoracic Fellowship in the COVID Era" Thursday October 8th from 7-8PM EST Panelist Ara Vaporciyan, MD, PhD UT Health San Antonio

SickKids HOST program designed to provide surgeons with an opportunity to practice surgical procedures on various congenital heart defects Link 6th Annual CTSNet Resident Video Competition (deadline December 1, 2020).

TSRA Webinar In Case You Missed our last Webinar... "Finding a Job in the COVID 19 era" Panelist Thoralf Sundt Massachusetts General Hospital

TSRA Membership General surgery residents, cardiology fellows, international cardiothoracic surgery residents, and medical students are eligible for Associate Membership in the TSRA by submitting application Link

Survey: Statistics knowledge amongst cardiothoracic surgery trainees The first part is a self-administered test on baseline statistical fluency. We ask that you take this test WITHOUT help (~15min).

Newsletter Editorial Staff Clauden Louis — Editor Evan Rotar — Trainee Opportunities Jessica Luc — Manuscript of the Month

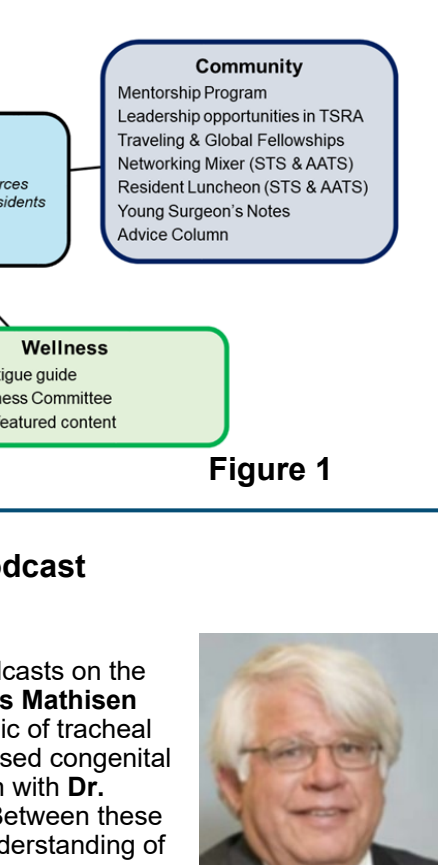
Welcome Thoracic Surgery Medical Student Association (TSMA) By: Edgar Aranda-Michel, Eleanor Gerhard, Connor Magura, Lena Trager

Hi Everyone, As current medical students pursuing careers in cardiothoracic (CT) surgery, we have already benefitted greatly from the opportunities offered to us by this community.

Manuscript of the Month By: Jessica Luc Title of Feature Manuscript: The Thoracic Surgery Residents Association: Past Contributions, Current Efforts, and Future Directions

Abstract Objective: The Thoracic Surgery Residents Association (TSRA) is a resident-led organization established in 1997 under the guidance of the Thoracic Surgery Directors Association (TSDA) to represent the interests and educational needs of cardiothoracic surgery residents.

Question 1: Congratulations on your work and publishing this important article in The Journal of Thoracic and Cardiovascular Surgery commenting on the TSRA's past contributions, current efforts, and future directions. What was the purpose of this manuscript?



Alexander Brescia

Question 2: How does the TSRA achieve its goal to meet the needs of cardiothoracic surgery trainees? The TSRA meets the needs of cardiothoracic trainees by fulfilling its mission to provide peer-based resources and support for residents to succeed in training and beyond.

Question 3: What are the implications of the findings from your study? The TSRA's achievements and contributions to resident education and cardiothoracic surgical training have been robust over the past two decades and are accelerating forward.

Question 4: What is your vision for the organization as President this year of the TSRA? My vision for this year is for our organization to best position thoracic surgery trainees to maximize training and access the resources necessary to succeed.

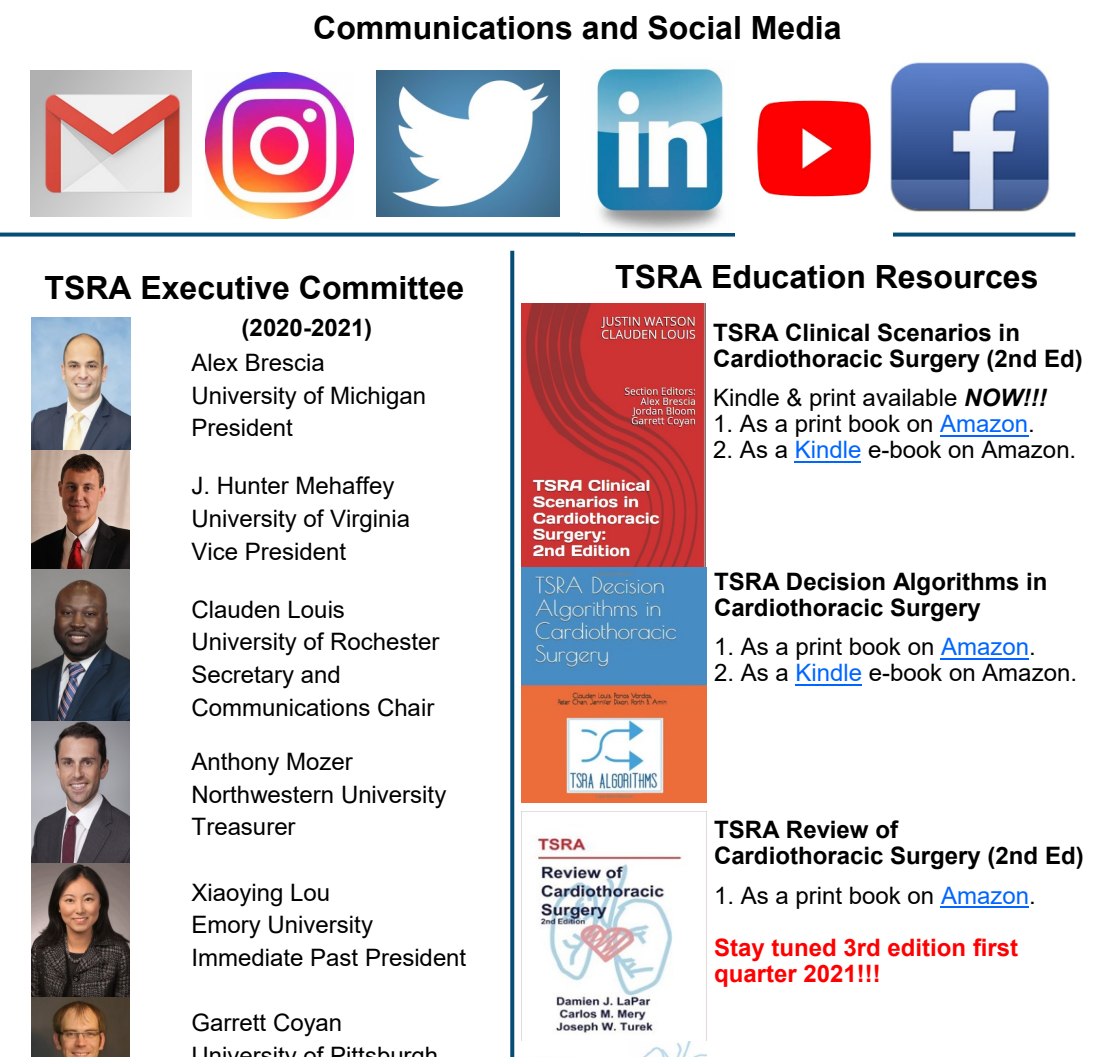


Figure 1

Featured TSRA Podcast By: David Blitzer A is for Airway, so this month we are featuring 2 podcasts on the topic.

Tracheal Stenosis Pediatric Airway Reconstruction Call for New TSRA Podcast Ideas Here is a list of unclaimed topics that need to be recorded: Adult Cardiac

Communications and Social Media

TSRA Executive Committee (2020-2021) Alex Brescia, J. Hunter Mehaffey, Clauden Louis, Anthony Mozer, Xiaoying Lou, Garrett Coan, Jason Han, David Blitzer, Justin Watson, Jessica Luc, Fatima Wilder, Yihan Lin

TSRA Education Resources TSRA Clinical Scenarios in Cardiothoracic Surgery (2nd Ed) TSRA Decision Algorithms in Cardiothoracic Surgery TSRA Review of Cardiothoracic Surgery (2nd Ed) TSRA Operative Dictations in Cardiothoracic Surgery TSRA Multiple Choice Review of Cardiothoracic Surgery

Abstract Deadlines and Conference Dates By: Parth Patel

Table with 4 columns: Meeting, Submission deadline, Location, Dates. Lists various conferences and their dates.

Global Cardiac Surgery: How fellows, residents, and medical students can engage in Global Cardiac Surgery

Yihan Lin MD MPH, Clauden Louis MD MS, Dominique Vervoort MD

NGOs There are almost 100 NGOs focused on providing cardiothoracic surgery to underserved populations worldwide. Here, we name a few that we have had direct experience with.

TSRA The Thoracic Surgery Residents Association (TSRA) and Society of Thoracic Surgeons (STS) offers an annual Global Outreach Fellowship. This fellowship allows cardiothoracic residents and fellows to participate in an established cardiac surgery outreach trip while being paired with a known global surgery mentor in the field.

Global Surgery Fellowships If you are a resident interested in a long term (1-2 year) dedicated global surgery fellowship, many institutions are now offering opportunities within their own residency programs.

Research scholarship awards If you require funding for your research, here are some options to consider: Association for Academic Surgery (AAS) - offers a global surgery research fellowship award.

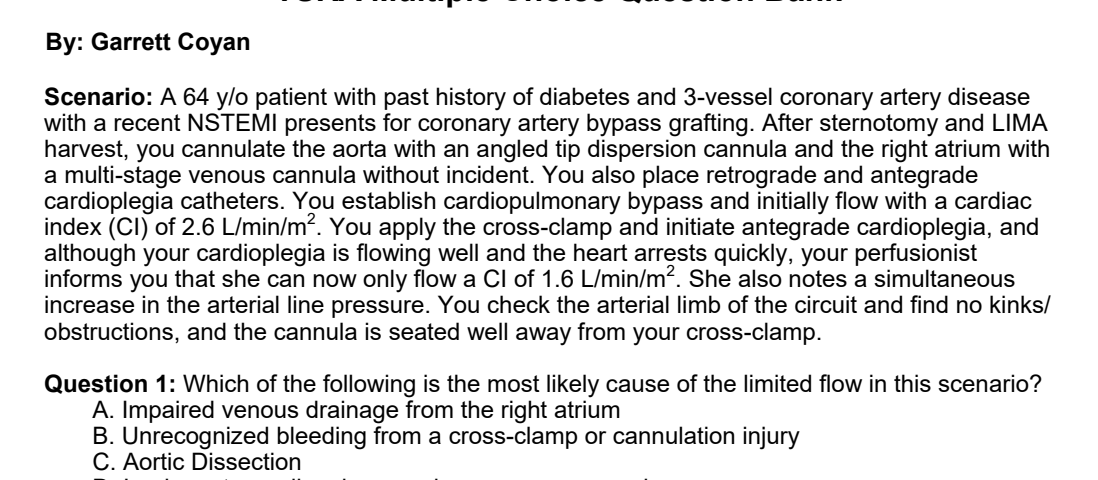
Centers for Global Surgery Multiple institutions are realizing the importance of surgery and global health, and have now created dedicated institutes and centers for global surgery.

GSSA and InciSiOn The Global Surgery Student Alliance (GSSA) is the US' national student-run global surgery working group, affiliated with InciSiOn (the International Student Surgical Network).

Traveling Fellowships The Thoracic Surgery Foundation (TSF) offers a variety of traveling fellowships, including the TSF Latin America CT Surgery Conference Travel Scholarship and the TSF Saha scholarship.

Diagnostic Challenge By: Fatima Wilder

45-year-old female with progressive shortness of breath and decreasing stamina PMHx: Prior admission with aspiration pneumonia CC: Patient presents with SOB and decreasing stamina



Workup/Imaging: CT Chest with dilated, non-functional esophagus Diagnosis: Raynaud's Lung Disease Management: Patients with advanced Raynaud's may present with evidence of chronic aspiration due to extensive disease resulting in dilated esophagus.

TSRA Multiple Choice Question Bank By: Garrett Coyan

Scenario: A 64 yo patient with past history of diabetes and 3-vessel coronary artery disease with a recent NSTEMI presents for coronary artery bypass grafting. After sternotomy and LIMA harvest, you cannulate the aorta with an angled tip dispersion cannula and the right atrium with a multi-stage venous cannula without incident.

Question 1: Which of the following is the most likely cause of the limited flow in this scenario? A. Impaired venous drainage from the right atrium B. Unrecognized bleeding from a cross-clamp or cannulation injury

Answers to 1-2: The sudden increase in arterial line pressure and significant decrease in bypass flow should carry a high index of suspicion for iatrogenic aortic dissection (Answer C, Q1). Impaired venous drainage would not result in line pressure increases, nor would unrecognized bleeding from a cross-clamp or cannulation injury.