

2016, 23 - 25 September

World Congress on Ultrasound in Medical Education Conference 2016

 Conference Programme

Thursday, 22nd September

Thursday 11:00 - 17:00	Early Set-up: Exhibitors, Workshops & Posters Venue TTU SUB, Alumni Center
Thursday 13:00 - 15:00	Optional Pre-Conference Tour: Buddy Holly Center and McPherson Winery Venue Bus Departure from Overton Hotel
Thursday 13:00 - 19:00	Early Registration Venue Overton Hotel / Pre-function Area
Thursday 17:00 - 19:00	Welcome Reception Venue Overton Hotel / Sunset A & Pre-function

Friday, 23rd September

Friday 07:00 - 16:00	Registration Venue TTU SUB / East Side
Friday 07:00 - 08:00	Breakfast Venue TTU SUB / Red Raider Lounge & Ballroom
Friday 08:00 - 08:30	Welcome & Chamber of Commerce Ribbon Cutting Venue TTU SUB / Allen Theater
Friday 08:05 - 08:10	OF1 Welcome Venue TTU SUB / Allen Theater
08:05	Welcome » <u>Tedd Mitchell, President</u> Texas Tech University Health Sciences Center
Friday 08:10 - 08:15	OF2 Welcome Venue TTU SUB / Allen Theater
08:10	Welcome » <u>Robert Duncan, Chancellor</u> Texas Tech University System
Friday	OF3 Welcome

08:15 - 08:20	Venue	TTU SUB / Allen Theater
08:15	Welcome	
		» <u>Dan Pope</u> , Mayor Lubbock
Friday 08:20 - 08:25	OF4 Venue	Welcome TTU SUB / Allen Theater
08:20	Welcome	
		» <u>President</u> Lubbock Chamber of Commerce
Friday 08:25 - 08:30	OF5 Venue	Welcome TTU SUB / Allen Theater
08:25	Welcome	
		» <u>Jeanette Mladenovic</u> , President Society of Ultrasound in Medical Education
Friday 08:30 - 10:00	PL1 Chair Venue	Plenary Session I: Disruptive Innovation for Medical Education and Healthcare Jongyeol Kim TTU SUB / Allen Theater
Friday 08:30 - 09:00	PL1.1 Venue	Plenary Lecture TTU SUB / Allen Theater
08:30	Disruptive Innovation: The State of Ultrasound	
		» <u>Jeanette Mladenovic</u> Oregon Health and Science University
Friday 09:00 - 09:30	PL1.2 Venue	Plenary Lecture TTU SUB / Allen Theater
09:00	Lung Ultrasound: Challenging Old Paradigms	
		» <u>Giovanni Volpicelli</u> San Luigi Gonzaga University Hospital
Friday 09:30 - 10:00	PL1.3 Venue	Plenary Lecture TTU SUB / Allen Theater
09:30	The Future of Echocardiography: Disruptor of Disrupted?	
		» <u>Neil Weissman</u> Georgetown University School of Medicine
Friday 10:00 - 10:30	Coffee Break Venue	TTU SUB / Red Raider Lounge
Friday 10:00 - 12:00	PL2 Chair Venue	Plenary Session II: History and New Technology of Ultrasound Miguel Montorfano TTU SUB / Allen Theater
Friday 10:30 - 11:00	PL2.1 Venue	Plenary Lecture TTU SUB / Allen Theater
10:30	History of Ultrasound	

» Eric Blackwell Texas Tech University Health Science Center School of Medicine

Friday
11:00 - 11:30
PL2.2 Plenary Lecture
Venue TTU SUB / Allen Theater

11:00
New Technology
» Frederick Kremkau Wake Forest University School of Medicine

Friday
11:30 - 12:00
PL2.3 Plenary Lecture
Venue TTU SUB / Allen Theater

11:30
Advancing Ultrasound Education
» Richard Hoppmann University of South Carolina School of Medicine

Friday
12:00 - 13:00
Lunch
Venue TTU SUB / Red Raider Lounge & Ballroom

Friday
13:00 - 14:30
Concurrent Session A
Venue TTU SUB

Friday
13:00 - 14:30
A1 Role of Ultrasonographers
Chair Oscar Barahoma, Robert Haddad, Felicia Toreno, Connie Willis
Venue TTU SUB / Playa

Friday
13:00 - 14:30
A2 Ultrasound and Simulation
Chair Sandra Caballero, Beatrice Hoffmann
Venue TTU SUB / Canyon

Friday
13:00 - 14:30
A3 Ethics and the Human Touch in Ultrasound
Chair Cheryl Erwin, Tracy Gunter
Venue TTU SUB / Senate

Friday
13:00 - 14:30
A4 How to Start Ultrasound Curriculum: Development of Faculty and Resources
Chair Marcus Bastos, Jongyeol Kim, Peter Steinmetz
Venue TTU SUB / Mesa

Friday
13:00 - 14:30
A5 Ultrasound in Physical Examination
Chair Keith Barron, Chris Fox, John Kendall, Mike Wagner
Venue TTU SUB / Traditions

Friday
13:00 - 14:30
A6 Oral Presentation 1: Ultrasound in Undergraduate Medical Education
Chair James Maher, Susan Wiegiers
Venue TTU SUB / Soapsuds

13:00
Creating A Vertical Ultrasound Curriculum at EVMS
» Felicia Toreno (Eastern Virginia Medical School), Barry Knapp (Eastern Virginia Medical School), Craig Goodmurphy (Eastern Virginia Medical School), Donald Byars (Eastern Virginia Medical School)

13:10
Building an Ultrasound Education Center: Key Considerations for Success
» Craig Sisson (University of Texas Health Science Center San Antonio), Nilam Soni (University of Texas Health Science Center San Antonio), Stephanie Gutierrez (University of Texas Health Science Center San

Antonio)

- 13:20 **Integrated Thyroid Ultrasound Education for Second Year Medical Students**
 » Raheela Khawaja (Division of Endocrinology, Diabetes, and Metabolism, Department of Internal Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), Brittany Shrefler (Department of Internal Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), David Way (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), David Bahner (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH)
- 13:30 **Internal Medicine clerkship with ultrasound: Integrating Cardiac Ultrasound Training into Undergraduate Medical Education**
 » Michael Prats (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), Alex Levitov (Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Eastern Virginia Medical School, Norfolk, VA), Zachariah Nealy (Eastern Virginia Medical School, Norfolk, VA), David Bahner (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH)
- 13:40 **Family Medicine Ultrasound (FAMUS): Prevalence in the academic family medicine office**
 » Nicolas Tasse (Université Laval), Peter Steinmetz (McGill University)
- 13:50 **Breathing: A First-year Medical Student Lung Ultrasound Curriculum**
 » Uche Blackstock (New York University School of Medicine), Kristin Carmody (New York University School of Medicine)
- 14:00 **4th Year Ultrasound Elective at WVU: Methods and Impact**
 » Kristine Robinson (Department of Emergency Medicine, West Virginia University School of Medicine), Benjamin Moser (Department of Emergency Medicine, West Virginia University School of Medicine), Suha Khafaji (Department of Emergency Medicine, West Virginia University School of Medicine), Shelley Layman (Department of Emergency Medicine, West Virginia University School of Medicine), Joseph Minardi (Department of Emergency Medicine, West Virginia University School of Medicine)
- 14:10 **Awareness and Use of Clinician-Performed Ultrasound among Clinical Clerkship Faculty**
 » Elizabeth Harmon (University of Pennsylvania, Perelman School of Medicine), Wilma Chan (University of Pennsylvania, Perelman School of Medicine), Cameron Baston (University of Pennsylvania, Perelman School of Medicine), Gail Morrison (University of Pennsylvania, Perelman School of Medicine), Frances Shofer (University of Pennsylvania, Perelman School of Medicine), Nova Panebianco (University of Pennsylvania, Perelman School of Medicine), Anthony J. Dean (University of Pennsylvania, Perelman School of Medicine)
- 14:20 **Lessons learned from an end-of-year OSCE assessment of freshman medical student skills following the inaugural year of a limited ultrasound curriculum**
 » Kevin D. Phelan (Department of Neurobiology and Developmental Sciences, University of Arkansas for Medical Sciences), Gregory R. Snead (Department of Emergency Medicine, University of Arkansas for Medical Sciences), Alisa Kanfi (Department of Radiology, University of Arkansas for Medical Sciences)

A7 Oral Presentation 2: Ultrasound in Graduate and Continuing Medical Education and Technology

Friday
13:00 - 14:30

Chair Jim Tsung, Mahmoud Elbarbary
 Venue TTU SUB/ Arroyo

- 13:00 **Assessment of Bedside Ultrasound Skills in Novice Internal Medicine Resident Learners: Importance of Removing Potential for Bias from Framing Effect**
 » Milla Kviatkovsky (Oregon Health and Science University), Renee Dversdal (Oregon Health and Science University), Jeff Gold (Oregon Health and Science University)

- 13:10 **The Addition of an Ultrasound Simulator to Improve Image Interpretation**
» *Abigail Brackney* (Beaumont Health - Royal Oak), *Michael Bagan* (Methodist Hospital)
- 13:20 **Canadian National Survey on Point-of-Care Ultrasound Training in Family Medicine Residency Programs**
» *David Braganza* (McGill University), *Shuo Peng* (McGill University), *Taft Micks* (Memorial University), *Pamela Doran* (Memorial University), *Patti Mccarthy* (Memorial University), *Kyle Sue* (Memorial University), *Danielle O'keefe* (Memorial University), *Peter Rogers* (Memorial University), *Peter Steinmetz* (McGill University)
- 13:30 **DISTANCE EDUCATION IN MEDICAL ULTRASOUND IN BRAZIL**
» *raul moreira neto* (Ecomoinhos - School of Medical Ultrasound)
- 13:40 **What learners want: Qualitative analysis of learner interviews in developing a longitudinal point-of-care ultrasound curriculum**
» *Christopher Smith* (University of Nebraska Medical Center), *Cristy Geno Rasmussen* (University of Nebraska Medical Center), *Tabatha Matthias* (University of Nebraska Medical Center)
- 13:50 **Emergency Physicians as Interdisciplinary Educators in Point of Care Ultrasound for Paracentesis**
» *Cody Soyk* (University of Michigan/Saint Joseph Mercy Hospital), *Nicole Seleno* (St. Joseph Mercy Hospital), *Greg Gafni-Pappas* (St. Joseph Mercy Hospital), *Neil Khanna* (University of Michigan/Saint Joseph Mercy Hospital), *Michael Cover* (University of Michigan/Saint Joseph Mercy Hospital)
- 14:00 **The effect of ultrasound findings on the risk of aneuploidy with a positive cell free DNA screen**
» *James Maher* (Texas Tech University Health Sciences Center, School of Medicine), *Hanna Kodeih* (Texas Tech University Health Sciences Center, School of Medicine), *Randall Kelly* (Texas Tech University Health Sciences Center, School of Medicine), *Phillip Watkins* (Texas Tech University Health Sciences Center), *Eneko Larumbe* (Texas Tech University Health Sciences Center), *Natalia Schlabritz-lutsevich* (Texas Tech University Health Sciences Center, School of Medicine)
- 14:10 **Preparing Family Medicine Faculty for POCUS Training**
» *Brian Shian* (University of Iowa Carver College of Medicine), *George Bergus* (University of Iowa Carver College of Medicine)
- 14:20 **Survey of participants and near-peer instructors in an integrated bedside ultrasound course for family medicine residency program**
» *Shuo Peng* (McGill University), *David Braganza* (McGill University), *Leanna Y. Chen* (McGill University), *Peter Steinmetz* (McGill University)

A8 Oral Presentation 3: Point-of-Care Ultrasound in Underserved and General Clinical Practice

Friday
13:00 - 14:40

Chair Anjali Bhagra, Johnnie Faircloth
Venue TTU SUB/ Caprock

- 13:00 **Training Pre-Hospital First Responders on Point of Care Ultrasound to Improve Trauma Outcomes in Rural Settings: A Pilot Study**
» *Philip Mammen* (Texas Tech University Health Sciences Center), *Mat McClure* (Texas Tech University Health Sciences Center), *Allen Zhong* (Texas Tech University Health Sciences Center), *Kelly Zhang* (Texas Tech University Health Sciences Center), *Elesea Villegas* (Texas Tech University Health Sciences Center), *Saju Joseph* (Texas Tech University Health Sciences Center), *Dinesh Vyas* (Texas Tech University Health Sciences Center)
- 13:10 **Expanding Interprofessional Education Between Healthcare Professionals and First Responders Using Disruptive Technology**

» [Thea Murray](#) (Texas Tech University Health Sciences Center), [Elesea Villegas](#) (Texas Tech University Health Sciences Center), [Mat McClure](#) (Texas Tech University Health Sciences Center), [Philip Mammen](#) (Texas Tech University Health Sciences Center), [Allen Zhong](#) (Texas Tech University Health Sciences Center), [Kelly Zhang](#) (Texas Tech University Health Sciences Center), [Dinesh Vyas](#) (Texas Tech University Health Sciences Center), [Saju Joseph](#) (Texas Tech University Health Sciences Center)

13:20 **Comparison of ultrasound-measured properties of the common carotid artery to tobacco smoke exposure in a cohort of Indonesian patients**

» [Allen Yu](#) (University of California, Irvine School of Medicine), [Bima Hasjim](#) (University of California, Irvine School of Medicine), [Jonathan Lee](#) (Irv), [Thomas Keown](#) (University of California, Irvine School of Medicine), [Esther Kim](#) (University of California, Irvine School of Medicine), [Katrina Lee](#) (University of California, Irvine School of Medicine), [Christina Tse](#) (University of California, Irvine School of Medicine), [Michael Louthan](#) (University of California, Irvine School of Medicine), [Alexander Anshus](#) (Irv), [Christopher Gabriel](#) (University of California, Irvine School of Medicine), [Luke Yu](#) (University of California, Irvine School of Medicine), [Shadi Lahham](#) (Department of Emergency Medicine, UC Irvine Medical Center), [John Fox](#) (Department of Emergency Medicine, UC Irvine Medical Center)

13:30 **Conservative Treatment of a Cesarean Scar Pregnancy Diagnosed and Treated via Transvaginal Ultrasonography**

» [James Maher](#) (Texas Tech University Health Sciences Center, School of Medicine), [Sarah Burke](#) (Texas Tech University Health Sciences Center, School of Medicine), [Natalia Schlabritz-lutsevich](#) (Texas Tech University Health Sciences Center, School of Medicine)

13:40 **Point of Care Ultrasound Use by EMS Personnel to Perform the FAST Exam During Trauma Incidents**

» [Billy Philips](#) (Texas Tech University Health Sciences Center, F. Marie Hall Institute for Rural and Community Health), [Gregg Rice](#) (Texas Tech University Health Sciences Center, Medical Education), [Vaughan Lee](#) (Texas Tech University Health Sciences Center, School of Medicine), [Travis Hanson](#) (Texas Tech University Health Sciences Center, F. Marie Hall Institute for Rural and Community Health), [Coleman Johnson](#) (Texas Tech University Health Sciences Center, F. Marie Hall Institute for Rural and Community Health), [Sharon Rose](#) (Texas Tech University Health Sciences Center, F. Marie Hall Institute for Rural and Community Health), [Traci Butler](#) (Texas Tech University Health Sciences Center, F. Marie Hall Institute for Rural and Community Health)

13:50 **Lung Ultrasound in the Evaluation of the Medical and Trauma Patient**

» [Melissa Myers](#) (San Antonio Military Medical Center)

14:00 **Novel Water Bath Method for Ultrasound Imaging of Distal Extremities**

» [Jennifer Cotton](#) (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), [Michael Prats](#) (The Ohio State University Wexner Medical Center), [David Bahner](#) (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH)

14:10 **Importance of transthoracic echocardiography practised in emergency departments by the emergency physician in the management of patients and their referral to specialised departments**

» [Mehdi Ben Lassoued](#) (Emergency department – Military Hospital of Tunis), [Olfa Amira](#) (Emergency department – Military Hospital of Tunis), [Maher Arafa](#) (Emergency department – Military Hospital of Tunis), [Mounir Hagui](#) (Emergency department – Military Hospital of Tunis), [Hamami Rim](#) (Emergency department – Military Hospital of Tunis), [ines guerbouj](#) (Emergency department – Military Hospital of Tunis), [Ghofrane Ben Jrad](#) (Emergency department – Military Hospital of Tunis), [Khaled Lamine](#) (Emergency department – Military Hospital of Tunis)

14:20 **Performance of a simplified wall motion score index method for emergency physicians to assess left ventricular ejection fraction : prospective study about 65 cases**

» [Mehdi Ben Lassoued](#) (Emergency department – Military Hospital of Tunis), [Olfa Amira](#) (Emergency department – Military Hospital of Tunis), [Mounir Hagui](#) (Emergency department – Military Hospital of Tunis), [Maher Arafa](#) (Emergency department – Military Hospital of Tunis), [Hamami Rim](#) (Emergency department – Military Hospital of Tunis), [Ghofrane Ben Jrad](#) (Emergency department – Military Hospital of Tunis)

Tunis), ines guerbouj (Emergency department – Military Hospital of Tunis), Khaled Lamine (Emergency department – Military Hospital of Tunis)

14:30

Race Does Not Affect Ultrasound Cross-Sectional Area of Upper Extremity Nerves

» *Nathan Anderson (Texas Tech University Health Sciences Center, School of Medicine), Leland Finley (Texas Tech University Health Sciences Center, School of Medicine), Bryce Betteridge (Texas Tech University Health Sciences Center), Weston Pratt (Texas Tech University Health Sciences Center), Jongyeol Kim (Texas Tech University Health Sciences Center, Neurology)*

Friday

Coffee Break

14:30 - 15:00

Venue TTU SUB/ Red Raider Lounge & Ballroom

Friday

Concurrent Session B / Workshop Session A

15:00 - 16:30

Venue TTU SUB

Friday

B1 Ethics and the Human Touch in Ultrasound

15:00 - 16:30

Chair Cheryl Erwin, Tracy Gunter

Venue TTU SUB / Senate

Friday

B2 Ultrasound Curriculum in Medical Schools

15:00 - 16:30

Chair Craig Goodmurphy

Venue TTU SUB / Playa

Friday

B3 Students'/Learners' Perspectives: Why We Want & What We Need (Panel Discussion)

15:00 - 16:30

Chair Richard Hoppmann, Simon Williams

Venue TTU SUB / Mesa

Friday

B4 Point-of-Care Ultrasound for First Responders: How to Start & Potential Applications

15:00 - 16:30

Chair Saju Joseph, Gregor Prosen, Dave Spear

Venue TTU SUB / Traditions

Friday

B5 Oral Presentation 4: Ultrasound in Undergraduate Medical Education

15:00 - 16:30

Chair Harvey Nisenbaum, Tom Tenner

Venue TTU SUB / Soapsuds

15:00

Videocast lesson is equally effective as traditional classroom lecture in teaching point-of-care ultrasonography to novice medical students

» *Marcus Bastos (Universidade Federal de Juiz de Fora), Jose Ricardo Vitoi (Universidade Federal de Juiz de Fora), Aline Pereira (Universidade Federal de Juiz de Fora), Tamara Ribeiro (Universidade Federal de Juiz de Fora), Raquel Castro (Universidade Federal de Juiz de Fora), Ana Karine Novaes (Universidade Federal de Juiz de Fora), Fernando Colugnati (Universidade Federal de Juiz de Fora), Wander Carmo (Universidade Federal de Juiz de Fora), Flavio Ronzani (Universidade Federal de Juiz de Fora), Rogerio Paula (Universidade Federal de Juiz de Fora)*

15:10

Integration of Ultrasound skills in the training of new age Medical students

» *Ramesh Gopalakrishnan (Independent Consultant)*

15:20

Tiered Longitudinal Ultrasound Curriculum for Undergraduate Medical Education

» *Michelle Corrado (The Ohio State University College of Medicine, Columbus, OH), Creagh Boulger (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH),*

Nicholas Kelly (The Ohio State University College of Medicine, Columbus, OH), Cindy Chang (The Ohio State University College of Medicine, Columbus, OH), Zachary Goodman (The Ohio State University College of Medicine, Columbus, OH), Suman Gupta (The Ohio State University College of Medicine, Columbus, OH), Courtney Tipton (The Ohio State University College of Medicine, Columbus, OH), Michael Prats (The Ohio State University Wexner Medical Center), Tyler Dschaak (Department of Emergency Medicine, The Ohio State University Wexner Medical Center), Sara Singhal (The Ohio State University College of Medicine, Columbus, OH), David Bahner (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH)

15:30 **A Randomized Study of Training with Large Versus Small Vessel Size On Successful Ultrasound Guided Peripheral Venous Access**

» Timothy Faust (Thomas Jefferson University), Azeem Tajani (Thomas Jefferson University), Amanda Bates (Thomas Jefferson University), Josh Davis (Thomas Jefferson University), Jenna Jarriel (Thomas Jefferson University), Arthur Au (Thomas Jefferson University), J. Matthew Fields (Thomas Jefferson University)

15:40 **Is Undergraduate Ultrasound Training Valuable? An Ongoing Evaluation of the Opinions of Residents and their Directors**

» Michael Wagner (University of South Carolina), Keith Barron (University of South Carolina), Richard Hoppmann (University of South Carolina), Julian Greer (University of South Carolina School of Medicine)

15:50 **Evaluation of Sophomore Medical Students' Competencies in Image Recognition and Interpretation of Ultrasound Pathology: An Innovative Ultrasound Curriculum Developed at the Wayne State University School of Medicine**

» David Amponsah (Wayne State University School of Medicine), Matt Jackson (Wayne State University School of Medicine)

16:00 **A Case-based Approach to Teaching Clinical Ultrasound Applications to Junior Medical Students at the Wayne State University School of Medicine (WSUSOM)**

» David Amponsah (Wayne State University School of Medicine), Allison Noesekabel (Wayne State University School of Medicine), Edmond Younes (Wayne State University School of Medicine)

16:10 **Using and Assessing Ultrasound to Teach Physical Examination and Diagnosis: A Self-Directed Learning Activity in the Family Medicine Accelerated Track (FMAT)**

» Betsy Jones (Texas Tech University Health Sciences Center, School of Medicine), Vaughan Lee (Texas Tech University Health Sciences Center, School of Medicine), Haley Banks (TTUHSC School of Medicine), Dwight Bellingham (TTUHSC School of Medicine), Dominique Foster (TTUHSC School of Medicine), Drew Johnson (TTUHSC School of Medicine), Bradon Loya (TTUHSC School of Medicine), Luis Ruiz (TTUHSC School of Medicine), Rachel Wai (TTUHSC School of Medicine), Kelsey Walker (TTUHSC School of Medicine), Mikaela Wallace (TTUHSC School of Medicine), Jennifer Mitchell (Texas Tech University Health Sciences Center, School of Medicine), David Edwards (TTUHSC School of Medicine)

16:20 **Sustainable Medical Student Directed International Ultrasound Projects**

» Amanda Purdy (University of California, Irvine School of Medicine), Jessa Baker (University of California, Irvine School of Medicine), John Fox (University of California, Irvine School of Medicine)

B6 Oral Presentation 5: Ultrasound in Graduate and Continuing Medical Education and Technology

Friday
15:00 - 16:30

Chair Charles Tegeler, Simon Williams
Venue TTU SUB / Caprock

15:00 **Efficacy of Ultrasound Education for Foreign Physicians Taught by First Year Medical Students**

» Jonathan Lee (University of California, Irvine School of Medicine), Bima Hasjim (University of California, Irvine School of Medicine), Christina Tse (University of California, Irvine School of Medicine), Thomas Keown (University of California, Irvine School of Medicine), Michael Louthan (University of California, Irvine School of Medicine), Christopher Gabriel (University of California, Irvine School of Medicine), Esther Kim

(University of California, Irvine School of Medicine), Katrina Lee (University of California, Irvine School of Medicine), Alexander Anshus (University of California, Irvine School of Medicine), Allen Yu (University of California, Irvine School of Medicine), Luke Yu (University of California, Irvine School of Medicine), John Fox (University of California, Irvine School of Medicine), Shadi Lahham (University of California, Irvine School of Medicine)

- 15:10 **Experience with a Longitudinal Ultrasound Curriculum in Internal Medicine GME: resident perceptions before and after implementation**
 » Elizabeth Baker (University of South Carolina School of Medicine), Michael Wagner (University of South Carolina School of Medicine)
- 15:20 **Focusing on safety: Quality of widely available video instructional materials for point-of-care ultrasound guided procedures in Internal Medicine**
 » Aditi Khandelwal (University of Toronto), Luke Devine (Department of Medicine, University of Toronto, Division of General Internal Medicine, Mount Sinai Hospital), Mirek Otremba (Department of Medicine, University of Toronto, Division of Internal Medicine, Mount Sinai Hospital)
- 15:30 **Ultrasound Evaluation of Soft Tissue Foreign Bodies by U.S. Army Medics**
 » David Driskell (US Army / Baylor Emergency Medicine PA Residency Program, Madigan Army Medical Center, Tacoma, WA), Aaron Cronin (US Army / Baylor Emergency Medicine PA Residency Program, Madigan Army Medical Center, Tacoma, WA), Bart Gillum (US Army / Baylor Emergency Medicine PA Residency Program, Madigan Army Medical Center, Tacoma, WA), Jonathan Monti (US Army / Baylor Emergency Medicine PA Residency Program, Madigan Army Medical Center, Tacoma, WA)
- 15:40 **The Interrater Reliability of Optic Nerve Sheath Diameter Measurements Performed by Non-Ultrasound Fellowship Trained Emergency Medicine Physicians and Emergency Medicine Residents Using Bedside Ultrasound**
 » Duncan Hansing (University of Texas Health Science Center San Antonio), Christopher Gelabert (University of Texas Health Science Center San Antonio), Joel Michalek (University of Texas Health Science Center San Antonio), Craig Sisson (University of Texas Health Science Center San Antonio)
- 15:50 **Assessment of an Internal Medicine Residency Point-of-Care Ultrasound Elective**
 » Jake Natalini (University of California, San Francisco), Trevor Jensen (University of California, San Francisco), Nima Afshar (University of California, San Francisco)
- 16:00 **Integrating graduated didactics into training reduces the time required to build skill in focused cardiac ultrasound**
 » Shannon McConnaughey (University of Washington Medical Center), Florence H Sheehan (University of Washington Medical Center), Alexandra Bartow, ACNP-BC (University of Washington Medical Center), Josh L Hermsen (University of Washington Medical Center), Alisha Skinner (University of Colorado Denver), Nahush A Mokadam (University of Washington Medical Center)
- 16:10 **Use of a simulator to teach focused cardiac ultrasound**
 » Brad Sanville (Legacy Internal Medicine Residency), Rob Morgan (Legacy Internal Medicine Residency), Gordon Johnson (Legacy Internal Medicine Residency), Shashank Bathula (Western University)
- 16:20 **3D POWER DOPPLER ULTRASOUND IN EARLY DIAGNOSIS OF PREECLAMPSIA**
 » raul moreira neto (Ecomoinhos - School of Medical Ultrasound)

Friday
15:00 - 16:30

B7 Oral Presentation 6: Panel Discussion
 Chair Christopher Huerta, Dixon Santana
 Venue TTU SUB / Canyon

- 15:00 **Standardized Patients, Image Evaluation, Hands-On Scanning Labs, and Student Feedback Within the Ultrasound Curriculum at Eastern Virginia Medical School**

» Felicia Toreno (Eastern Virginia Medical School), Barry Knapp (Eastern Virginia Medical School), Donald Byars (Eastern Virginia Medical School), Craig Goodmurphy (Eas), Mark Serbo (Old Dominion University), Lorraine Lyman (Eastern Virginia Medical School)

15:10

Planning a Successful Ultrafest: A Regional Symposium for Teaching Ultrasound to Medical Students

» Josh Davis (Thomas Jefferson University), J. Matthew Fields (Thomas Jefferson University)

Friday
15:00 - 16:30

WA1 Introduction to Ultrasound for Teaching Anatomy and Physiology with Physics & Knobology

Chair David Bahner, John Bennett, Greg Brower, Christopher Huerta, Vaughan Lee, Maxime Valois, Susan Wiegens
Venue TTU Alumni Center / GE Room

Friday
15:00 - 16:30

WA2 Abdominal Ultrasound

Chair Marcus Bastos, Samuel Campbell, Saju Joseph, Peter Steinmetz, David Tierney
Venue TTU Alumni Center / Fuji Film Room

Friday
15:00 - 16:30

WA3 Ultrasound Phantom: Making Your Own

Chair James Maher, Dustin Morrow, Cynthia Smith
Venue TTU Alumni Center / MindRay Room

Friday
15:00 - 16:30

WA4 Ultrasound for Physical Examination

Chair Keith Barron, Rachel Bengtzen, Chris Fox, John Kendall, Irene Ma, Mike Wagner
Venue TTU Alumni Center / Philips Room

Friday
15:00 - 16:30

WA5 Introduction to Echocardiography

Chair Aliakbar Arvandi, Michael Blaivas, Nilam Soni, Renee Dversdal
Venue TTU Alumni Center / Sim1 Room

Friday
15:00 - 16:30

WA6 Point-of-Care Ultrasound for Pediatrics

Chair Mahmoud Elbarbary, Daniel Hubbard, Jim Tsung
Venue TTU Alumni Center / Sim2 Room

Friday
16:30 - 17:00

Poster Presentation Led by Professors Session A #1 - 33

Venue TTU SUB / Matador

Friday
16:30 - 17:00

PA1 Poster Presentation Led by Professors

Chair Marcus Bastos
Venue TTU SUB / Matador

Teaching the FAST algorithm with the Reacts (Remote Education, Augmented Communication, Training and Supervision) platform – a pilot study

» Anne-Marie Brisson (McGill University), Peter Steinmetz (McGill University), Sharon Oleskevich (McGill University), John Lewis (McGill University)

Implementation of a USIG research initiative to improve productivity of student involvement in research

» Michael Prats (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), Zachary Goodman (The Ohio State University College of Medicine, Columbus, OH), Ross McDermott (The Ohio State University College of Medicine, Columbus, OH), Nicholas Kelly (The Ohio State University College of Medicine, Columbus, OH), Creagh Boulger (Department of Emergency Medicine, The

Ohio State University Wexner Medical Center, Columbus, OH), David Bahner (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH)

"Near-Peer" Teaching of Bedside Ultrasound in a Canadian Undergraduate Medical Program

» *Leanna Y. Chen* (McGill University), *David Braganza* (McGill University), *Shuo Peng* (McGill University), *Peter Steinmetz* (McGill University), *Geoffroy Noel* (McGill University)

Continued optimization of a long-term clinical ultrasound education program in Mwanza,

Tanzania

» *Sean Denny* (University of California, Irvine School of Medicine), *Kaavya Raman* (University of California, Irvine School of Medicine), *Sahil Aggarwal* (University of California, Irvine School of Medicine), *Megan Bernstein* (University of California, Irvine School of Medicine), *Allison Farfel* (University of California, Irvine School of Medicine), *Reece Fenning* (University of California, Irvine School of Medicine), *Debora Lee* (University of California, Irvine School of Medicine), *Mark Lieber* (University of California, Irvine School of Medicine), *William Minter* (University of California, Irvine School of Medicine), *Priya Patel* (University of California, Irvine School of Medicine), *Shella Raja* (University of California, Irvine School of Medicine), *John Fox* (University of California, Irvine School of Medicine)

Beginner Ultrasound, an innovative one year introducing course for medical students

» *Creagh Boulger* (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), *Nicholas Kelly* (The Ohio State University College of Medicine, Columbus, OH), *Zachary Goodman* (The Ohio State University College of Medicine, Columbus, OH), *Cindy Chang* (The Ohio State University College of Medicine, Columbus, OH), *Michelle Corrado* (The Ohio State University College of Medicine, Columbus, OH), *Suman Gupta* (The Ohio State University College of Medicine, Columbus, OH), *David Bahner* (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), *Courtney Tipton* (The Ohio State University College of Medicine, Columbus, OH), *Charles McCombs* (The Ohio State University College of Medicine), *Dain Landholm* (The Ohio State University College of Medicine)

Friday
16:30 - 17:00

PA2 Poster Presentation Led by Professors

Chair Michael Blaivas
Venue TTU SUB / Matador

Intermediate Ultrasound: Going beyond the basics of ultrasound in medical student education

» *Antoinette Pusateri* (The Ohio State University College of Medicine, Columbus, OH), *Nicholas Scoville* (The Ohio State University College of Medicine, Columbus, OH), *Michael Prats* (The Ohio State University Wexner Medical Center), *Creagh Boulger* (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), *Tyler Dschaak* (Department of Emergency Medicine, The Ohio State University Wexner Medical Center), *Sara Singhal* (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), *David Bahner* (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH)

Ultrasound Interest Group Communication Strategies at Ohio State University

» *Creagh Boulger* (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), *Michelle Corrado* (The Ohio State University College of Medicine, Columbus, OH), *Nicholas Kelly* (The Ohio State University College of Medicine, Columbus, OH), *Zachary Goodman* (The Ohio State University College of Medicine, Columbus, OH), *Cindy Chang* (The Ohio State University College of Medicine, Columbus, OH), *David Bahner* (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH)

Evaluating the Effectiveness of Ultrasound Education

» *Connor Byrne* (University of California, Irvine School of Medicine), *Nicolas Kahl* (University of California, Irvine School of Medicine), *Brian Knight* (University of California, Irvine School of Medicine), *Monica Lee* (University of California, Irvine School of Medicine), *Stephanie Morley* (University of California, Irvine School of Medicine), *John Fox* (University of California, Irvine School of Medicine), *Shadi Lahham* (University of California, Irvine School of Medicine)

Hospital Wide Point of Care Ultrasound Committee as an Instructional Resource for the Medical Student Curriculum

» *Casey Glass (Wake Forest School of Medicine), Joshua Zavitz (Wake Forest School of Medicine)*

Gallstone Ultrasound Screening in the Ngobe Population of Rural Panama

» *Ezequiel Andrade (University of California, Irvine School of Medicine), Nathan Jasperse (University of California, Irvine School of Medicine), Isaure Hostetter (University of California, Irvine School of Medicine), Jodie Raffi (University of California, Irvine School of Medicine), Nicole Zawada (University of California, Irvine School of Medicine), Tara Zand (University of California, Irvine School of Medicine), Lauren Witchey (University of California, Irvine School of Medicine), Alyssa Lo (University of California, Irvine School of Medicine), Victoria Oppenheim (University of California, Irvine School of Medicine), Kelley Butler (University of California, Irvine School of Medicine), Evangelina Martinez (University of California, Irvine School of Medicine), Benjamin LaBrot (Floating Doctors), John Fox (University of California, Irvine School of Medicine)*

Friday
16:30 - 17:00

PA3 Poster Presentation Led by Professors

Chair Christopher Huerta

Venue TTU SUB / Matador

Assessing the Accuracy of Delivery Date Estimation in Rural Panama

» *Nicole Zawada (University of California, Irvine School of Medicine), Isaure Hostetter (University of California, Irvine School of Medicine), Victoria Oppenheim (University of California, Irvine School of Medicine), Kelley Butler (University of California, Irvine School of Medicine), Alyssa Lo (University of California, Irvine School of Medicine), Evangelina Martinez (University of California, Irvine School of Medicine), Ezequiel Andrade (University of California, Irvine School of Medicine), Nathan Jasperse (University of California, Irvine School of Medicine), Jodie Raffi (University of California, Irvine School of Medicine), Lauren Witchey (University of California, Irvine School of Medicine), Tara Zand (University of California, Irvine School of Medicine), Julianne Toohey (Department of Obstetrics and Gynecology, UC Irvine Health), John Fox (Department of Emergency Medicine, UC Irvine Health), Benjamin LaBrot (Floating Doctors), Jonathan Steller (Department of Obstetrics and Gynecology, UC Irvine Health)*

Identifying Barriers to Prenatal Healthcare in Rural Panama

» *Tara Zand (University of California, Irvine School of Medicine), Lauren Witchey (University of California, Irvine School of Medicine), Evangelina Martinez (Department of Emergency Medicine, UC Irvine Health), Isaure Hostetter (University of California, Irvine School of Medicine), Ezequiel Andrade (University of California, Irvine School of Medicine), Kelley Butler (University of California, Irvine School of Medicine), Alyssa Lo (University of California, Irvine School of Medicine), Victoria Oppenheim (Department of Emergency Medicine, UC Irvine Health), Jodie Raffi (University of California, Irvine School of Medicine), Nicole Zawada (University of California, Irvine School of Medicine), Julianne Toohey (UC Irvine Health Department of OB/GYN), John Fox (Department of Emergency Medicine, UC Irvine Health), Ben Labrot (Floating Doctors), Jonathan Steller (UC Irvine Health Department of OB/GYN)*

Sustainability of teaching the Rural Obstetric Ultrasound Triage Exam (ROUTE) to healthcare workers in low-resource settings in rural Panama

» *Victoria Oppenheim (University of California, Irvine School of Medicine), Isaure Hostetter (University of California, Irvine School of Medicine), Nicole Zawada (University of California, Irvine School of Medicine), Ezequiel Andrade (University of California, Irvine School of Medicine), Kelley Butler (University of California, Irvine School of Medicine), Nathan Jasperse (University of California, Irvine School of Medicine), Alyssa Lo (University of California, Irvine School of Medicine), Evangelina Martinez (University of California, Irvine School of Medicine), Jodie Raffi (University of California, Irvine School of Medicine), Lauren Witchey (University of California, Irvine School of Medicine), Tara Zand (University of California, Irvine School of Medicine), Jonathan Steller (Department of OB/GYN, UC Irvine Health), Julianne Toohey (Department of OB/GYN, UC Irvine Health), John Fox (Department of Emergency Medicine, UC Irvine Health), Benjamin LaBrot (Floating Doctors)*

Weber B Distal Fibular Fracture Diagnosed by Point of Care Ultrasound in the Emergency**Department**

» *David Amponsah (Wayne State University School of Medicine), Jessica Koehler (Wayne State University School of Medicine), James Makinen (Wayne State University School of Medicine)*

Advanced Competency in Bedside Ultrasound for Medical Students

» *Krystin Miller (The Ohio State University Wexner Medical Center), Ross McDermott (The Ohio State University Wexner Medical Center), David Bahner (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH), Creagh Boulger (Department of Emergency Medicine, The Ohio State University Wexner Medical Center, Columbus, OH)*

Friday
16:30 - 17:00

PA4 Poster Presentation Led by Professors

Chair Irene Ma
Venue TTU SUB / Matador

Preceptor and medical students' perception of medical students' comfort with ultrasonography

» *Jeffrey Papazian (Virginia Tech-Carilion Emergency Medicine Residency), Tracey Criss (Virginia Tech-Carilion School of Medicine), Corey Heitz (Virginia Tech-Carilion School of Medicine), A Paul Dallas (Virginia Tech-Carilion School of Medicine), Tarin Schmidt-Dalton (Virginia Tech-Carilion School of Medicine), Janet Young (Virginia Tech-Carilion School of Medicine), Michael Jones (Virginia Tech-Carilion School of Medicine), Elizabeth Pline (Virginia Tech-Carilion School of Medicine)*

Effect of a Single Focused Cardiac Ultrasound Session on Cardiovascular Exam Confidence of First-Year Physician Assistant Students

» *Patricia O'Brien (Oregon Health and Science University), Craig Rudy (Oregon Health and Science University), Nikolaus Matsler (Oregon Health and Science University), Renee Dversdal (Oregon Health and Science University)*

A Limited First Year Medical Student Ultrasound Exposure Program Designed to Emphasize Standardized Patient Interactions: Student Assessment of Program Success

» *Gregory R. Snead (Department of Emergency Medicine, University of Arkansas for Medical Sciences), Alisa Kanfi (Department of Radiology, University of Arkansas for Medical Sciences), Kevin D. Phelan (Department of Neurobiology and Developmental Sciences, University of Arkansas for Medical Sciences)*

A One-week Intensive Ultrasound Special Topics Course for Rising 2nd year Medical Students

» *David Resuehr (UABSOM), Luke Bureson (UAB - Emergency Medicine), Blayke Gibson (UAB - Emergency Medicine)*

Can Proximal Fibular Fractures Be Identified With Ultrasound By Novice Users In the Anatomy Lab

» *Brion Benninger (Western University)*

Ultrasound Use during Anatomy Dissection Lab with Multiple Probes Identifying Ulnar Collateral Ligament from Cadavers and Healthy Volunteers

» *Brion Benninger (Western University)*

Friday
16:30 - 17:00

PA5 Poster Presentation Led by Professors

Chair Nilam Soni
Venue TTU SUB / Matador

Can High Resolution Ultrasound probes (5-12, 18, 22 MHz) performed by Medical Students Identify the Median Nerve In the Wrist and Hand Region from Donor Cadavers and Healthy Individuals

» [Brion Benninger](#) (Western University)

Ultrasound Training in a Medical Anatomy Lab of Nasal Bone Fractures while comparing Finger vs Classic Linear Probes

» [Brion Benninger](#) (Western University)

Ultrasound Integrated into Anatomy Dissection Lab Identifying Temporal Bone Region Fractures Comparing SonicEye Finger versus Classic Linear Probes

» [Brion Benninger](#) (Western University)

Comparing Ultrasound: Finger Versus Classic Linear Probes to Identify Zygomatic Fractures in Medical Anatomy Lab

» [Brion Benninger](#) (Western University)

Developing a Training Tool for Novice Ultrasound Users Identifying Skull and Facial Fractures with Unembalmed Cadaveric Tissue Using Multiple Probes

» [Brion Benninger](#) (Western University)

Visualization of Volar Plate of the First Metatarsophalangeal Joint In Donor Cadavers and Healthy Volunteers using High-Resolution Musculoskeletal Probe

» [Brion Benninger](#) (Western University)

Friday
16:30 - 17:00

PA6 Poster Presentation Led by Professors

Chair David Tierney
Venue TTU SUB / Matador

Innovation, Engineering and Anatomy: Paradigm Shift, Using Ultrasound to Assess Implant Positioning, thus Restoring Function To the Hand "Organ"

» [Brion Benninger](#) (Western University)

Integration of 3D/4D Ultrasound Technology into an Anatomy Dissection Laboratory with 3D Visualization of the Thyroid Gland

» [Brion Benninger](#) (Western University)

Integrating 3D/4D Ultrasound Skills to Facilitate Stereostructural Anatomy of the Abdominal and Pelvic Regions During a Medical Anatomy Dissection Based Course

» [Brion Benninger](#) (Western University)

Integrating Virtual-reality based Ultrasound Tutorials for Developing Point-of-Care Skill Sets and Spatial Anatomy during a Medical Anatomy Course with OPUS Mini Haptic Ultrasound Simulator

» [Brion Benninger](#) (Oregon Health & Science University)

Ultrasound as a diagnostic tool for Distal Radial Fractures

» [Brion Benninger](#) (Oregon Health & Science University)

Teaching Ultrasound Of Three Clinically Important Upper Limb Structures During Anatomy Dissection Lab Using the 7D Interactive Software Program

» [Brion Benninger](#) (Western University)

Friday
18:00 - 22:00

Bootscootin' Under the West Texas Sky

Venue National Ranching Heritage Center

Saturday, 24th September

- Saturday
07:00 - 16:00
Registration
Venue TTU SUB / East Side
- Saturday
07:00 - 08:00
Breakfast
Venue TTU SUB / Red Raider Lounge & Ballroom
- Saturday
08:00 - 08:30
Welcome/Announcement
Venue TTU SUB / Allen Theater
- Saturday
08:00 - 08:10
OS1 Welcome
Venue TTU SUB/ Allen Theater
- 08:00
Welcome
» *Steven Berk, TTUHSC Executive Vice President and Provost & Dean*
Texas Tech University Health Science Center School of Medicine
- Saturday
08:10 - 08:15
OS2 Welcome
Venue TTU SUB / Allen Theater
- 08:10
General Announcements
» *Logistic Chair* Texas Tech University Health Science Center School of Medicine
- Saturday
08:15 - 08:30
OS3 Welcome
Venue TTU SUB / Allen Theater
- 08:15
Welcome
» *Co-hosts: SUSME & WINFOCUS*
- Saturday
08:30 - 10:00
PL3 Panel Discussion: Perspectives on Point-of-Care Ultrasound
Venue TTU SUB / Allen Theater
- Saturday
08:30 - 10:00
PL3 Plenary Session III: Ultrasound Leadership Panel
Chair Richard Hoppmann
Venue TTU SUB / Allen Theater
- Saturday
08:30 - 10:00
PL3.1 Plenary Panel
Venue TTU SUB / Allen Theater
- 08:30
» *David Bahner, Third President of AIUM* American Institute of Ultrasound in Medicine
- Saturday
08:30 - 10:00
PL3.2 Plenary Panel
Venue TTU SUB / Allen Theater
- 08:30
» *Susan Wieggers, Immediate Past President* American Society of Echocardiography
- Saturday
08:30 - 10:00
PL3.3 Plenary Panel
Venue TTU SUB / Allen Theater
- 08:30
» *Jeanette Mladenovic, President* Society of Ultrasound in Medical Education

Saturday
08:30 - 10:00
PL3.4 Plenary Panel
Venue TTU SUB / Allen Theater

08:30 » *Harvey Nisenbaum, President World Federation of Ultrasound in Medicine and Biology*

Saturday
08:30 - 10:00
PL3.5 Plenary Panel
Venue TTU SUB / Allen Theater

08:30 » *Miquel Montorfano, President World Interactive Network Focused on Critical Ultrasound*

Saturday
10:00 - 10:30
Coffee Break
Venue TTU SUB / Red Raider Lounge

Saturday
10:00 - 10:30
UWC1 Ultrasound World Cup
Chair Raed Alalawi, Samuel Campbell
Venue TTU SUB / Lubbock Room

Saturday
10:30 - 12:00
Plenary Session IV: Ultrasound in Medical Education
Venue TTU SUB / Allen Theater

Saturday
10:30 - 11:00
PL4.1 Plenary Lecture
Venue TTU SUB / Allen Theater

10:30 **Ultrasound in Undergraduate Medical Education**
» *Marcus Bastos, Chris Fox*

Saturday
11:00 - 11:30
PL4.2 Plenary Lecture
Venue TTU SUB / Allen Theater

11:00 **Ultrasound in Graduate Medical Education**
» *David Bahner, David Tierney*

Saturday
11:30 - 12:00
PL4.3 Plenary Lecture
Venue TTU SUB / Allen Theater

11:30 **Ultrasound in Continuing Medical Education**
» *John Kendall, Nilam Soni*

Saturday
12:00 - 13:00
Lunch
Venue TTU SUB / Red Raider Lounge & Ballroom

Saturday
13:00 - 14:30
Concurrent Session C / Workshop Session B
Venue TTU SUB

Saturday
13:00 - 14:30
C1 Ultrasound in Other Specialties: Speech & Physical Therapy
Chair Suzanne Boyce, Troy Hooper, Sue Ann Lee, Douglas White
Venue TU SUB / Playa

Saturday
C2 Point-of-Care Ultrasound in Undergraduate Medical Education: Panel Discussion

13:00 - 14:30	Chair Venue	David Bahner, Chris Fox, Craig Goodmurphy, Vaughan Lee TTU SUB / Canyon
Saturday 13:00 - 14:30	C3 Chair Venue	Point-of-Care Ultrasound in Graduate Medical Education: Panel Discussion Anjali Bhagra, Creagh Boulger, Dixon Santana, David Tierney TTU SUB / Senate
Saturday 13:00 - 14:30	C4 Chair Venue	Point-of-Care Ultrasound in Continuing Medical Education: Panel Discussion Renee Dversdal, Beatrice Hoffmann, Nilam Soni, Michael Wagner TTU SUB / Mesa
Saturday 13:00 - 14:30	C5 Chair Venue	OB/GYN Ultrasound for Primary Care James Maher, Paul Tullar TTU SUB / Traditions
Saturday 13:00 - 14:30	C6 Chair Venue	Ultrasound for First Responders: How to Start & Develop Saju Joseph, Greg Prosen TTU SUB / Escondido
Saturday 13:00 - 14:30	C7 Chair Venue	Renal Ultrasound: Basic to Clinical Application Marcus Bastos, Cynthia Smith TTU SUB / Arroyo
Saturday 13:00 - 14:30	C8 Chair Venue	Oral Presentation 7: Ultrasound in Undergraduate Medical Education Harvey Nisenbaum, Simon Williams TTU SUB / Soapsuds

A New Model for Determining Competency in Ultrasound Education Using an Outcome-Based Determination of Comprehension, Confidence and Insight: A Four Year Study of an Emergency Ultrasound Elective and Medical Student Performance

» *Craig Sisson* (University of Texas Health Science Center San Antonio), *Joel Michelek* (University of Texas Health Science Center San Antonio), *Christopher Gelabert* (University of Texas Health Science Center San Antonio)

The Inaugural Year of an Ultrasound Curriculum for First Year Medical Students: The Standardized Patient Perspective

» *Alisa Kanfi* (Department of Radiology, University of Arkansas for Medical Sciences), *Gregory R. Snead* (Department of Emergency Medicine, University of Arkansas for Medical Sciences), *Kevin D. Phelan* (Department of Neurobiology and Developmental Sciences, University of Arkansas for Medical Sciences)

Procedural simulation: medical student preference and value of three task trainers for ultrasound guided regional anesthesia

» *Shadi Lahham* (University of California, Irvine School of Medicine), *Erica Frumin* (University of California, Irvine School of Medicine), *Taylor Smith* (University of California, Irvine School of Medicine), *Jessa Baker* (University of California, Irvine School of Medicine), *Amanda Purdy* (University of California, Irvine School of Medicine), *Bret Winners* (University of California, Irvine School of Medicine), *Sean Wilson* (University of California, Irvine School of Medicine), *John Fox* (University of California, Irvine School of Medicine)

Is There More To Wrist Extension Using SonicEye Finger Probe versus Classic Linear Probe Ultrasound to Assess Radial Artery Movement Prior To Cannulation and Blood Draw?

» *Brion Benninger* (Western University)

Ulnar Collateral Ligament Ultrasound of the First MCP with High Resolution Probes on Cadavers and Healthy Subjects

» [Brion Benninger](#) (Western University)

Implementing Newly Designed Anatomical Protocol Providing an Ultrasound Footplate to Identify Anterolateral Ligament

» [Brion Benninger](#) (Western University)

Innovative Wearable Miniaturized Wireless Wrist-Worn Ultrasound System Developed for Extended Fast Exam with Integrated Dual-Plane Finger Probe

» [Brion Benninger](#) (Western University)

Using triple stimulation provides a powerful learning tool integrating surface anatomy landmarks with ultrasound imaging to augment medical students' physical examination skills

» [Brion Benninger](#) (Oregon Health & Science University)

Integrating Ultrasound with 3D-CT in Assessing Tibula-Fibula Fractures on Donor Cadavers and Healthy Volunteers

» [Brion Benninger](#) (Oregon Health & Science University)

Saturday 13:00 - 14:30	WB1	Carotid and Transcranial Doppler
	Chair	John Bennett, Charles Tegeler
	Venue	TTU Alumni Center / GE Room
Saturday 13:00 - 14:30	WB2	Introductory Musculoskeletal Ultrasound for Primary Care
	Chair	David Edwards, Johnnie Faircloth, Jennifer Mitchell, Jeff Paxton
	Venue	TTU Alumni Center / Philips Room
Saturday 13:00 - 14:30	WB3	Point-of-Care Ultrasound: Ocular, Airway, Aorta & Spine
	Chair	Michael Blaivas, Christopher Huerta
	Venue	TTU Alumni Center / MindRay Room
Saturday 13:00 - 14:30	WB4	Point-of-Care Ultrasound for Critically Ill Patients
	Chair	Raed Alalawi, Giovanni Volpicelli
	Venue	TTU Alumni Center / Fuji Film Room
Saturday 13:00 - 14:30	WB5	Focused Assessment With Sonography for Trauma (FAST)
	Chair	Samuel Campbell, Irene Ma, Dustin Morrow, Peter Steinmetz, Jim Tsung
	Venue	TTU Alumni Center / Sim1 Room
Saturday 13:00 - 14:30	WB6	Procedure with Ultrasound: Basic and Advanced
	Chair	Keith Barron, Dixon Santana, Rakhshanda Rahman
	Venue	TTU Alumni Center / Sim2 Room
Saturday 14:30 - 15:00	Coffee Break	
	Venue	TTU SUB / Red Raider Lounge & Ballroom, TTU Alumni Center
Saturday 15:00 - 16:30	Concurrent Session D / Workshop Session C	
	Venue	TTU SUB / TTU Alumni Center
Saturday 15:00 - 18:00	International Consensus Meeting	
	Venue	TTU SUB / Soapsuds

Saturday 15:00 - 16:30	D1 Chair Venue	Point-of-Care Ultrasound For Critically Ill Patients Raed Alalawi, Daniel Hubbard, Nilam Soni, David Tierney TU SUB / Canyon
Saturday 15:00 - 16:30	D2 Chair Venue	Ultrasound for Nursing Education: How To Start & Develop Sharon Decker TTU SUB / Senate
Saturday 15:00 - 16:30	D3 Chair Venue	Common Ultrasound-Guided Procedures Michael Blaivas, Dixon Santana, Rakhshanda Rahman, Giovanni Volpicelli TTU SUB / Mesa
Saturday 15:00 - 16:30	WC1 Chair Venue	Renal /Bladder Ultrasound Keith Barron, Irene Ma, Cynthia Smith, Maxime Valois TTU Alumni Center / Fuji Film Room
Saturday 15:00 - 16:30	WC2 Chair Venue	Ultrasound for Speech Therapy: Hands-On Practice Suzanne Boyce, Sue Ann Lee TTU Alumni Center / GE Room
Saturday 15:00 - 16:30	WC3 Chair Venue	Ultrasound for Physical Therapy and Kinesiology Troy Hooper, Douglas White TTU Alumni Center / MindRay Room
Saturday 15:00 - 16:30	WC4 Chair Venue	OB/GYN Ultrasound for Primary Care Christopher Huerta, James Maher, Jim Tsung, Paul Tullar TTU Alumni Center / Philips Room
Saturday 15:00 - 16:30	WC5 Chair Venue	Carotid and Transcranial Doppler John Bennett, Samuel Campbell, Charles Tegeler TTU Alumni Center / Sim1 Room
Saturday 15:00 - 16:30	WC6 Chair Venue	Ultrasound for First Responders Mahmoud Elbarbary, Saju Joseph, Dustin Morrow, Gregor Prosen, Michael Wagner, Susan Wieggers TTU Alumni Center / Sim2 Room
Saturday 16:30 - 17:00	Venue	Poster Presentation Led by Professors Session B #34 - 57 TTU SUB / Matador
Saturday 16:30 - 17:00	PB1 Chair Venue	Poster Presentation Led by Professors Creagh Boulger TTU SUB / Matador

A Fatal Traid: Eisenmenger's Syndrome, Pregnancy, and Severe Preeclampsia

» *luke wendt* (Texas Tech University Health Sciences Center, OBGYN), *Ashley Shelley* (Texas Tech University Health Sciences Center), *Asha Kovelamudi* (Texas Tech University Health Sciences Center, School of Medicine), *Asha Moghal* (Texas Tech University Health Sciences Center, School of Medicine), *Paul Tullar* (Texas Tech University Health Sciences Center)

Paradoxical Orthostatic Intracranial Hypertension with Joint Hypermobility

» *Johnnie Faircloth* (Texas Tech University Health Sciences Center, School of Medicine), *Todd Bell* (Texas Tech University Health Sciences Center, School of Medicine), *Apurve Barche* (Texas Tech University Health Sciences Center, School of Medicine)

ECHOCARDIOGRAPHY AND ULTRASOUND TRAINING IN CRITICAL CARE

» *abbas ali* (Gisinger Medical Center), *Angela Miller MBA, SSBB* (Geisinger Medical Center), *Karen Korzick* (Geisinger Medical Center), *Robert Strony* (Gisinger Medical Center), *Lester Kirchner* (Geisinger Medical Center)

Medical Ultrasound Education in Brazil

» *raul moreira neto* (Ecomoinhos - School of Medical Ultrasound), *André Campos Da Cunha* (Ecomoinhos - School of Medical Ultrasound), *Jorge Bianchi Telles* (Ecomoinhos - School of Medical Ultrasound), *Rosilene Silveira Betat* (Ecomoinhos - School of Medical Ultrasound)

Pilot study to develop an ultrasound-based approach for the placement of central venous catheters at a teaching hospital in Guatemala

» *Tanya Devnani* (Washington University School of Medicine/Barnes-Jewish Hospital), *Tokhanh Nguyen* (Washington University School of Medicine/Barnes-Jewish Hospital), *Victor Davila* (Washington University School of Medicine/Barnes-Jewish Hospital)

Saturday
16:30 - 17:00

PB2 Poster Presentation Led by Professors

Chair Larry Melniker
Venue TTU SUB / Matador

Multidisciplinary approach to the perinatal care of families affected by fetal anomalies

» *James Maher* (Texas Tech University Health Sciences Center, School of Medicine), *Dimitrios Angelis* (TTUHSC School of Medicine), *Natalia Schlabritz-lutsevich* (Texas Tech University Health Sciences Center, School of Medicine), *Randall Kelly* (Texas Tech University Health Sciences Center, School of Medicine), *Hanna Kodeih* (Texas Tech University Health Sciences Center, School of Medicine), *Gabrielle Rich* (Texas Tech University Health Sciences Center, School of Medicine), *Raymond Hampton* (Texas Tech University Health Sciences Center, School of Medicine)

PULSE: An Objective Programmatic Ultrasound Metric Tool

» *Tyler Dschaak* (The Ohio State University College of Medicine, Columbus, OH), *Scott Cardone* (The Ohio State University College of Medicine, Columbus, OH), *David Bahner* (The Ohio State University College of Medicine, Columbus, OH), *Creagh Boulger* (The Ohio State University College of Medicine, Columbus, OH), *Michael Prats* (The Ohio State University College of Medicine, Columbus, OH), *Sara Singhal* (The Ohio State University College of Medicine, Columbus, OH)

Prenatal diagnosis of urinoma and dilated azygous vein

» *James Maher* (Texas Tech University Health Sciences Center, School of Medicine), *Mamie Gao* (Texas Tech University Health Sciences Center, School of Medicine), *Randall Kelly* (Texas Tech University Health Sciences Center, School of Medicine), *Kathryn Hutton* (Texas Tech University Health Sciences Center, School of Medicine), *Shikha Singh* (Texas Tech University Health Sciences Center, School of Medicine), *Natalia Schlabritz-lutsevich* (Texas Tech University Health Sciences Center, School of Medicine)

Ultrasound Detection of Soft Tissue Abscesses Performed by Non-Physician U.S. Army Medical Providers Naïve to Diagnostic Sonography

» *Michael LaDuke* (US Army / Baylor Emergency Medicine PA Residency Program, Madigan Army Medical Center, Tacoma, WA), *Aaron Cronin* (US Army / Baylor Emergency Medicine PA Residency Program, Madigan Army Medical Center, Tacoma, WA), *Jonathan Monti* (US Army / Baylor Emergency Medicine PA Residency Program, Madigan Army Medical Center, Tacoma, WA), *Bart Gillum* (US Army / Baylor Emergency Medicine PA Residency Program, Madigan Army Medical Center, Tacoma, WA)

Saturday

PB3 Poster Presentation Led by Professors

Chair Vaughan Lee

16:30 - 17:00

Venue TTU SUB / Matador

Appropriateness of the elderly neoplastic patient's hospitalization :role of ultrasound examination

» VITO CARRIERI (Department of Geriatrics Hospital "A.Perrino" Brindisi Italy), Roberta Manca (Department of Geriatrics Hospital "A.Perrino" Brindisi Italy), Marialuisa Lefons (Department of Geriatrics Hospital "A.Perrino" Brindisi Italy)

The practical teaching of ultrasound in the hospital with a teaching method based on learning with real clinical problems

» VITO CARRIERI (Department of Geriatrics Hospital "A.Perrino" Brindisi Italy), Marialuisa Lefons (Department of Geriatrics Hospital "A.Perrino" Brindisi Italy), Roberta Manca (Department of Geriatrics Hospital "A.Perrino" Brindisi Italy)

Point of Care Ultrasound in General Surgery Residency Training: A Proposal for Milestones in Graduate Medical Education Ultrasound

» Samantha Lahey (The Ohio State University Wexner Medical Center), David Bahner (Department of Emergency Medicine, The Ohio State University Wexner Medical Center), Eliza Beal (The Ohio State University Wexner Medical Center), Benjamin Sigmond (The Ohio State University Wexner Medical Center), Latifa Sage-silski (The Ohio State University Wexner Medical Center), Victor Nguyen (The Ohio State University Wexner Medical Center)

Home geriatric care and role of ultrasound in improving the effectiveness and efficiency of health services

» VITO CARRIERI (Department of Geriatrics Hospital "A.Perrino" Brindisi Italy), Marialuisa Lefons (Department of Geriatrics Hospital "A.Perrino" Brindisi Italy), Roberta Manca (Department of Geriatrics Hospital "A.Perrino" Brindisi Italy)

Saturday
16:30 - 17:00

PB4 Poster Presentation Led by Professors

Chair Saju Joseph
Venue TTU SUB / Matador

Recent Results of the Clinical Application of KANET Test

» raul moreira neto (Ecomoinhos - School of Medical Ultrasound)

KANET IN BRAZIL: FIRST EXPERIENCE

» raul moreira neto (Ecomoinhos - School of Medical Ultrasound)

Ultrasound evaluation of successful rescue cerclage

» James Maher (Texas Tech University Health Sciences Center, School of Medicine), Gabrielle Rich (Texas Tech University Health Sciences Center, School of Medicine), Byron Newton (Texas Tech University Health Sciences Center, School of Medicine), Lindsey Rodriguez-ice (Texas Tech University Health Sciences Center, School of Medicine), Randall Kelly (Texas Tech University Health Sciences Center, School of Medicine), Natalia Schlabritz-lutsevich (Texas Tech University Health Sciences Center, School of Medicine)

A Novel Ultrasound Transmission Gel Alternative for Resource-Constrained Environments

» Jonathan Monti (US Army / Baylor Emergency Medicine PA Residency Program, Madigan Army Medical Center, Tacoma, WA)

Evaluation of access to adrenaline in different non-operative clinical areas-A Blind Study

» HAIDER ABBAS (King George's Medical University, Lucknow, India)

Saturday
16:30 - 17:00

PB5 Poster Presentation Led by Professors

Chair Cynthia Smith

Venue TTU SUB / Matador

Just Another "UTI"? A Case of Renal Obstruction Diagnosed by Point-of-Care Ultrasonography

» *Samuel Scoma (University of South Carolina), Michael Wade (Palmetto Health), Michael Wagner (Palmetto Health)*

Detection of Extensive Inferior Vena Cava Filter Thrombus with Bedside Ultrasound

» *Rian Shah (Stony Brook University Hospital, Department of Internal Medicine), Sahar Ahmad (2. Stony Brook University Hospital, Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine)*

Transthoracic echocardiography performed at the patient's bedside by the emergency physician versus the cardiologist: A concordance study about 44 cases

» *Mehdi Ben Lassoued (Emergency department – Military Hospital of Tunis), Olfa Amira (Emergency department – Military Hospital of Tunis), Mounir Hagui (Emergency department – Military Hospital of Tunis), Maher Arafa (Emergency department – Military Hospital of Tunis), Hamami Rim (Emergency department – Military Hospital of Tunis), Ghofrane Ben Jrad (Emergency department – Military Hospital of Tunis), ines guerbouj (Emergency department – Military Hospital of Tunis), Khaled Lamine (Emergency department – Military Hospital of Tunis)*

Assessment of left ventricular ejection fraction by the emergency physician versus the cardiologist: A concordance study about 52 cases

» *Mehdi Ben Lassoued (Emergency department – Military Hospital of Tunis), Olfa Amira (Emergency department – Military Hospital of Tunis), Mounir Hagui (Emergency department – Military Hospital of Tunis), Hamami Rim (Emergency department – Military Hospital of Tunis), Maher Arafa (Emergency department – Military Hospital of Tunis), Ghofrane Ben Jrad (Emergency department – Military Hospital of Tunis), ines guerbouj (Emergency department – Military Hospital of Tunis), Khaled Lamine (Emergency department – Military Hospital of Tunis)*

Importance of the left ventricular ejection fraction and of subaortic integral time velocity assessment in the management of hemodynamic shock in emergency patients

» *Mehdi Ben Lassoued (Emergency department – Military Hospital of Tunis), Mounir Hagui (Emergency department – Military Hospital of Tunis), Olfa Amira (Emergency department – Military Hospital of Tunis), Maher Arafa (Emergency department – Military Hospital of Tunis), Hamami Rim (Emergency department – Military Hospital of Tunis), Ghofrane Ben Jrad (Emergency department – Military Hospital of Tunis), ines guerbouj (Emergency department – Military Hospital of Tunis), Khaled Lamine (Emergency department – Military Hospital of Tunis)*

Echocardiographic and therapeutic profile of chronic insufficient cardiac patients in acute decompensation treated in emergency department

» *Mehdi Ben Lassoued (Emergency department – Military Hospital of Tunis), Olfa Amira (Emergency department – Military Hospital of Tunis), Mounir Hagui (Emergency department – Military Hospital of Tunis), Maher Arafa (Emergency department – Military Hospital of Tunis), Hamami Rim (Emergency department – Military Hospital of Tunis), Ghofrane Ben Jrad (Emergency department – Military Hospital of Tunis), ines guerbouj (Emergency department – Military Hospital of Tunis), Khaled Lamine (Emergency department – Military Hospital of Tunis)*

Saturday
18:00 - 22:00

HSC Open House and Final Reception Hosted by Tedd Mitchell, President of TTUHSC

Venue TTUHSC / Courtyard / SimLife Center / ACB 100

Saturday
18:30 - 21:00

OH1 Dinner

Venue TTUHSC / Courtyard

Saturday

UWC2 Final Round of World Cup

19:00 - 20:00 Venue TTUHSC Campus ACB 100

Saturday
20:00 - 22:00 **OH2** Tours of SimLife Center
Venue TTUHSC / SimLife Center

Sunday, 25th September

Sunday
07:00 - 08:00 **Breakfast**
Venue Overton / Pre-function Area

Sunday
08:00 - 09:30 **Plenary Session V: Current Challenges & Future Implications**
Venue Overton / Sunset A-C

Sunday
08:00 - 08:30 **PL5.1** Plenary Lecture
Venue Overton / Sunset A-C

08:00 **Ultrasound in Pediatrics**
» [Jim Tsung](#) Icahn School of Medicine at Mount Sinai

Sunday
08:30 - 09:00 **PL5.2** Plenary Lecture
Venue Overton / Sunset A-C

08:30 **Ultrasound in Global Healthcare**
» [Luca Neri](#)

Sunday
09:00 - 09:30 **PL5.3** Plenary Lecture
Venue Overton / Sunset A-C

09:00 **Impact of Automation and Artificial Intelligence in Ultrasound**
» [Michael Blaivas](#)

Sunday
09:30 - 10:00 **Award Presentations, Legacy Award Presented by SUSME, & Announcement of 2017 World Congress**
Venue Overton / Sunset A-C

Sunday
09:30 - 10:00 **AP.1** Award Presentations
Venue Overton / Sunset A-C

09:30 **Legacy Award Presented by SUSME**
» [SUSME Leadership](#)

Sunday
09:30 - 10:00 **AP.2** Award Presentations
Venue Overton / Sunset A-C

09:30 **Announcement of 2017 World Congress**
» [Peter Steinmetz](#)

Sunday
10:00 - 11:30 **Plenary Session VI: Current Challenges & Future Implications**
Venue Overton / Sunset A-C

Sunday
10:00 - 10:30

PL6.1 Plenary Lecture
Venue Overton / Sunset A-C

10:00 **Evidence-Based Medicine for Ultrasound in Medical Education and Point-of-Care Ultrasound**
» [Mahmoud Elbarbary](#)

Sunday
10:30 - 11:00

PL6.2 Plenary Lecture
Venue Overton / Sunset A-C

10:30 **Ultrasound in Rural & Underserved Areas**
» [Billy Philips](#)

Sunday
11:00 - 11:30

PL6.3 Plenary Lecture
Venue Overton / Sunset A-C

11:00 **Impact of Ultrasound in Simulation in Medical Education**
» [Sharon Decker](#)