



## Wednesday

### Poster Session

- 11:30 a.m. – 1:00 p.m. **H1** **A Triple “Suicide Pact”: A Case Report With a Review of the Literature**  
Matteo Cecchetti, MD\*; Ilaria Tarozzi, MD; Silvia Raddi, MD; Silvio Chericoni, PhD;  
Sara Bortolini, PhD; Valentina Bugelli, PhD
- 11:30 a.m. – 1:00 p.m. **H2** **A Reconstruction of Events, Including a Self-Inflicted Gunshot Wound, Leading to a Fatal Motor Vehicle Collision**  
Molly House, DO\*; Wendy M. Gunther, MD
- 11:30 a.m. – 1:00 p.m. **H3** **Takayasu Arteritis Involving Coronary Arteries in a Young Black Male: A Case Report and Literature Review**  
John Hu, MD, PhD\*
- 11:30 a.m. – 1:00 p.m. **H4** **A Fuel Tank Injury In a Fatal Motorcycle Accident**  
Gianluca Rossi, MD\*; Giancarlo Di Vella, MD, PhD; Marta Moretti, MD; Lucia Tattoli, PhD
- 11:30 a.m. – 1:00 p.m. **H5** **What Causes the Triad in Diagnosed Abusive Head Trauma (AHT)? Is It the Shaking?**  
Thomas Young, MD\*
- 11:30 a.m. – 1:00 p.m. **H6** **The Forensic Medicolegal System in Qatar**  
Khalid BinMarzook, BSc\*
- 11:30 a.m. – 1:00 p.m. **H7** **Railway Fatalities: A Retrospective Analysis of 21 Years**  
Christina R. Shreve, BS\*; Mario A. Rascon, MD, MHCM; Lorenzo Gitto, MD
- 11:30 a.m. – 1:00 p.m. **H8** **Pitfalls in Postmortem Computed Tomography**  
Angela Baldwin, MD, MPH\*; Stacia Semple, MD
- 11:30 a.m. – 1:00 p.m. **H9** **Disseminated Coccidioidomycosis in the Human Skeleton**  
Laura C. Fulginiti, PhD\*; Zachary Michalicek, DO; Andrew C. Seidel, PhD\*;  
Katelyn L. Bolhofner, PhD\*; Caroline L. Cross, MD
- 11:30 a.m. – 1:00 p.m. **H10** **Scuba Diving Fatalities: A Case Report of a Death Due to a Massive Air Embolism**  
Valentina Bugelli, PhD, MD\*; Silvia Raddi, MD; Matteo Cecchetti, MD; Ilaria Tarozzi, MD;  
Franceschetti, MD; Gianfranco Simonini, MD; Davide Machado, MD
- 11:30 a.m. – 1:00 p.m. **H11** **FVIII Expression to Differentiate Vital Hemorrhages From Postmortem Artifacts**  
Giuseppe Bertozzi, MD\*; Michela Ferrara, MD; Giovanni Pollice, MD; Stefania De Simone, MD;  
Santina Cantatore; Luigi Cipolloni, MD, PhD; Raffaele La Russa, MD, PhD
- 11:30 a.m. – 1:00 p.m. **H12** **WITHDRAWN**
- 11:30 a.m. – 1:00 p.m. **H13** **Evaluating Trends and Demographics of Accidental Drug Deaths in Harris County, Texas, From 2016 to 2020**  
Varsha Podduturi, MD\*; Namrata Walia, MD, MHA; Daryl Shorter, MD



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| 11:30 a.m. – 1:00 p.m. | <b>H14</b> | <b>An Unexpected and Rare Cause of Child Death: A Large Obstructing Fecaloma</b><br>Stefania De Simone, DM*; Elena Giacani, DM; Maria Antonella Bosco, DM;<br>Giovanni Gurgoglione, DM; Michela Ferrara, DM; Luigi Cipolloni, DM   |
| 11:30 a.m. – 1:00 p.m. | <b>H15</b> | <b>Streptococcal Toxic Shock Syndrome: A Cautionary Tale</b><br>Meredith Reynolds, MD*; Pouya Jamshidi, MD; James Bellis, MS; Nicole Jackson, MD, MPH;<br>Michael Eckhardt, MD; Pauline Chou, MD   |
| 11:30 a.m. – 1:00 p.m. | <b>H16</b> | <b>Air Embolism: An Important Autopsy Finding in Fatal Gunshot Wounds of the Head</b><br>Xin Zhang, MD*; Michael D. Eckhardt, MD; Benjamin J. Soriano, MD  |
| 11:30 a.m. – 1:00 p.m. | <b>H17</b> | <b>Anomalous Ligature Materials and Means in Hangings: A Report of Ten Cases</b><br>Maria Antonella Bosco, MD; Giovanni Gurgoglione, MD; Elena Giacani, MD*;<br>Giovanni Pollice, MD; Michela Ferrara, MD; Benedetta Baldari, MD; Giuseppe Bertozzi, MD  |
| 11:30 a.m. – 1:00 p.m. | <b>H18</b> | <b>The Use of Forensic Radiology in the Assessment of the Emergency Department Presentation of Near-Hanging Victims in the United Kingdom</b><br>Sarah A. Gaier, MSc*; Curtis Edward Offiah, MD; Nikolas P. Lemos, PhD<br><i>(FSF Emerging Forensic Scientist Award Poster Presentation)</i>   |
| 11:30 a.m. – 1:00 p.m. | <b>H19</b> | <b>Wound Vitality and the Estimation of Wound-Age Production: New Frontiers Through Immunohistochemistry Investigation</b><br>Michela Ferrara, MD*; Stefania De Simone, MD; Giovanni Pollice, MD; Giuseppe Bertozzi, MD;<br>Santina Cantatore; Raffaele La Russa, MD, PhD; Luigi Cipolloni, MD, PhD  |
| 11:30 a.m. – 1:00 p.m. | <b>H20</b> | <b>A Forensic Approach to an Italian Mass Disaster: The Collapse of the Morandi Bridge</b><br>Francesca Frigiolini, MD*; Camilla Tettamanti, MD, PhD; Davide Bedocchi, MD;<br>Fiorella Caputo, MD; Martina Drommi, MD; Sara Lo Pinto, MD; Anna Roncallo, MD;<br>Francesco De Stefano, MD, PhD; Francesco Ventura, MD, PhD  |
| 11:30 a.m. – 1:00 p.m. | <b>H21</b> | <b>The Death of a Professional Scuba Diver Due to Gas Embolism: An Autopsy Case</b><br>Cemyigit Deveci, MD*; Mehmet Atilgan, MD; İbrahim Demir, MD; K. Aylin Aksoy, MD   |
| 11:30 a.m. – 1:00 p.m. | <b>H22</b> | <b>An Anomalous Origin of Left Coronary Artery With Retro-Aortic Course and Sudden Cardiac Death</b><br>Paolo Fais, PhD; Clara Fiorentini, PhD*; Gabriele Bronzetti, PhD; Arianna Giorgetti, PhD;<br>Guido Pelletti, PhD; Ornella Leone, PhD; Susi Pelotti   |
| 11:30 a.m. – 1:00 p.m. | <b>H23</b> | <b>Things Are Never What They Seem—A Fatal Injection in a Drug Abuser: Hemorrhagic Shock, Pulmonary Embolism, Fulminant Sepsis, Acute Methadone Poisoning, or Medical Liability? A Case Report</b><br>Maria Silvestre, MD*; Serena Corradi, MD, PhD; Andrea Marzullo, PhD;<br>Lucia Aventaggiato, PhD, MD; Alessandro Dell’Erba, MD, PhD; Biagio Solarino, MD;<br>Davide Ferorelli |
| 11:30 a.m. – 1:00 p.m. | <b>H24</b> | <b>Sudden and Unexpected Death After an Induced Abortion: Medical Responsibility or a Hidden Cause?</b><br>Francesco Lupariello, MD*; Federica Mirri, MD; Fabio Innocenzi, MD; Alessandro Gabriele, MD;<br>Giancarlo Di Vella, MD, PhD   |
| 11:30 a.m. – 1:00 p.m. | <b>H25</b> | <b>The Walking Dead: A Strange Case of Falls From a Staircase</b><br>Mauro Ciavarella*; Natascha Pascale; Valeria Bruno; Maurizio Scarpa; Aldo Di Fazio  |
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11:30 a.m. – 1:00 p.m.	<b>H26</b>	<b>Suicides by Barbiturate Intoxication</b> Joy O. Edegbe, MD*; Tiffany A. Hollenbeck, DO
11:30 a.m. – 1:00 p.m.	<b>H27</b>	<b>An Extremely Rare Case of Hemorrhagic Shock Caused by an Early Post-Implant Saphenous Vein Graft Pseudoaneurysm Rupture</b> Eleonora Mezzetti, MD*; Alessandra De Matteis, MD; Andrea Scatena, MD; Andrea Costantino, MD; Arianna Baronti, MD; Lavinia Pellegrini, MD; Alice Chiara Manetti, MD
11:30 a.m. – 1:00 p.m.	<b>H28</b>	<b>“She Don’t Lie, She Don’t Lie, She Don’t Lie—Cocaine!” Homicide, Suicide, or Accident? The Unresolved Question About Drug-Related Deaths</b> Michele Telegrafo, MD*; Alessandro Dell’Erba, MD; Enrica Macorano, MD; Maurizio Mastrapasqua, MD; Francesco Carravetta, MD; Federica Misceo, MD; Maria Silvestre, MD; Serena Corradi, MD; Roberto Maselli, MD; Lorenzo Spagnolo, MD; Sara Sablone
11:30 a.m. – 1:00 p.m.	<b>H29</b>	<b>Another Case of Femicide? No, That’s Another Case of Underlying Sudden Unexpected Death in Epilepsy (SUDEP)</b> Natascha Pascale, MD, PhD*; Mauro Ciavarella, MD; Maurizio Scarpa, MD; Aldo Di Fazio, MD
11:30 a.m. – 1:00 p.m.	<b>H30</b>	<b>The “Pathologic” Mother-Son Bond: An Unusual Case of Matricide With “Overkill”</b> Cristina Mondello MD, PhD*; Gennaro Baldino, MD; Chiara Stassi, MD; Cataldo Raffino, MD; Alessio Asmundo, MD; Elvira Ventura Spagnolo, MD, PhD
11:30 a.m. – 1:00 p.m.	<b>H31</b>	<b>Charred Bodies: Homicidal, Suicidal, or Accidental Death? A Case Series</b> Chiara Stassi, MD*; Chira Rizzo, MD; Gennaro Baldino, MD; Martina Ciriminna, MD; Jurij De Francisci, MD; Cristina Mondello, MD; Antonio Micali, MD; Cataldo Raffino, MD; Alessio Asmundo, MD; Elvira Ventura Spagnolo, MD
11:30 a.m. – 1:00 p.m.	<b>H32</b>	<b>The Immunofluorescence Survey and the Persistence of SARS-CoV-2 After Death</b> Isabella Aquila, MD, PhD*; Matteo Antonio Sacco, MD; Maria Manno, MD; Pietrantonio Ricci, MD, PhD
11:30 a.m. – 1:00 p.m.	<b>H33</b>	<b>Hepatodiaphragmatic Interposition of the Colon: Radiological Evidence and Autopsy Findings in a Case of Chilaiditi Syndrome</b> Martina Padovano, MD*; Federico Manetti, MD; Matteo Scopetti, MD; Alessandro Santurro, MD; Paola Frati, PhD; Vittorio Fineschi, PhD, MD
11:30 a.m. – 1:00 p.m.	<b>H34</b>	<b>Rare Congenital Diseases and Infant Deaths: Postmortem Investigations of a Case of Fraser Syndrome</b> Federico Manetti, MD*; Martina Padovano, MD; Matteo Scopetti, MD; Alessandro Santurro, MD; Paola Frati, PhD; Vittorio Fineschi, PhD, MD
11:30 a.m. – 1:00 p.m.	<b>H35</b>	<b>The Role of Superstitions in Sexual Assault: A Case Discussion</b> Sarah Al Hinnawj, MD*



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## Thursday—Session I

### Tools of the Trade

*Moderator:*

Erin G. Brooks, MD  
University of Wisconsin Hospital and Clinics  
Madison, WI

*Co-Moderator:*

Mirra Chinta  
University of Washington  
Seattle, WA

- 8:30 a.m. - 8:45 a.m. **H36** **Standards Development Activities in Forensic Medicine**  
Jason M. Wiersema, PhD\*; Keith Pinckard, MD, PhD
- 8:45 a.m. – 9:00 a.m. **H37** **Standards Development Activities in Wildlife Forensic Biology**  
Kimberly Frazier, MS\*
- 9:00 a.m. – 9:15 a.m. **H38** **Professionals of the Medicolegal Death Investigation Workforce—The State of the Talent Pipeline**  
Jeri Ropero-Miller, PhD\*; Hope Smiley-McDonald, PhD; Crystal Daye, MPA; Kelly Keyes, BS; Connor Brooks, MSc
- 9:15 a.m. – 9:30 a.m. **H39** **Addressing the Future of Forensic Pathology in the Caribbean: The Need for Mentorship Among Caribbean Medical Students**  
Ann-Marie Ming, BMedSc\*; Catherine Morris, MD; Alfredo Walker, MBBS
- 9:30 a.m.— 9:45 a.m. **H40** **The Utilization of Blood Smears and Flow Cytometry to Diagnose Hematologic Malignancies and Triage Cases for Autopsy**  
Jolee Suddock, DO\*; Molly Biggs, BS; Daniel Babu, MD; Clarissa Krinsky, MD
- 9:45 a.m. – 10:00 a.m. **H41** **Histological and Immunofluorescent Imaging of Infant Bridging Veins**  
Neil Harris, MSc\*; Emma Cheshire, MSc; Guy Rutty, MD; Roger Malcomson, PhD
- 10:00 a.m. – 10:15 a.m. **BREAK**
- 10:15 a.m. – 10:30 a.m. **H42** **Improving the Postmortem Examination Process Using Complete Body Radiographic Imaging**  
Clayton Carter, BS\*; Jered B. Cornelison, PhD; Christine M. Pink, PhD; Joyce L. deJong, DO; Joseph A. Prahlow, MD
- 10:30 a.m. – 10:45 a.m. **H43** **Iatrogenic Changes Related to Perimortem Cardiopulmonary Resuscitation (CPR) as Documented by Postmortem Computed Tomography (CT) Scanning**  
Aneesa Baig, MSc\*; Curtis Edward Offiah, MD; Nikolas P. Lemos, PhD  
(FSF Emerging Forensic Scientist Award Oral Presentation)
- 10:45 a.m. – 11:00 a.m. **H44** **Keeping Up With the Drug/Opioid Epidemic: In-House Testing Program of the King County, Washington, Medical Examiner's Office**  
Jordan Taylor, MD\*; Richard C. Harruff, MD, PhD; Nicole A. Yarid, MD; Katie Heidere, MSW; Celia Simpson
- 11:00 a.m. – 11:15 a.m. **H45** **An Internal Validation of the ANDE® 6C Expert System for the Analysis of Unidentified Human Remains in a Forensic Laboratory Setting**  
Mariel Candelario-Gorbea, MSFS\*; Fabiola Fernández-Padín, MS; Carmen Tirado-Neris, MS



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- 11:15 a.m. – 11:30 a.m. **H46** **Forensic Photography—An Invaluable Tool During Forensic Autopsies**  
Rachael Landrie, BS\*
- 11:30 a.m. – 11:45 a.m. **H47** **The Logic of Forensic Pathology Opinion**  
Hans de Boer, MD, PhD\*; Judith Fronczek, MD, PhD; Charles Berger, PhD; Marjan Sjerps, PhD
- 11:45 a.m. - 1:00 p.m. **BREAK**

## Poster Session

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- 11:30 a.m. – 1:00 p.m. **H48** **Work-Related Fatal Injuries in the Genoa District of Northwest Italy: A Forensic Analysis of the 2011–2020 Decade**  
Giulia Molinari, MD\*; Martina Drommi, MD; Valentina Calamano, MD; Rosario Barranco, MD; Stefano Errico, MD; Francesco Ventura, MD, PhD
- 11:30 a.m. – 1:00 p.m. **H49** **Diving Accidents and Related Deaths in the Genoa District of Northwest Italy: A Forensic Analysis of the Period From 1968 to 2020**  
Arianna Balbo, MD\*; Martina Drommi, MD; Filippo Spigno, MD; Francesca Frigiolini, MD; Rosario Barranco, MD; Francesco Ventura, MD, PhD
- 11:30 a.m. – 1:00 p.m. **H50** **An Unusual Gunshot Wound Suicide With Findings Mimicking a Second Entrance Wound**  
Harrison Moosavi, MD\*; Andrew Koopmeiners, MD
- 11:30 a.m. – 1:00 p.m. **H51** **WITHDRAWN**
- 11:30 a.m. – 1:00 p.m. **H52** **A Tale of Two Suicides—Gunshot Wounds to the Occiput**  
Jiemin Zhou, MD\*; Zabiullah Ali, MD; Stephanie Dean, MD; J. Laron Locke, MD
- 11:30 a.m. – 1:00 p.m. **H53** **Deaths Associated With SARS-CoV-2 Vaccination: The Importance of Autopsy**  
Francesco Sessa, MS, PhD\*; Massimiliano Esposito, MD; Monica Salerno, MD, PhD; Cristoforo Pomara, MD, PhD
- 11:30 a.m. – 1:00 p.m. **H54** **The Time and Temperature Dependence of Volatile Organic Compounds' (VOCs') Appearance in Autolytic Rat and Pig Liver**  
Gabrielle Messe, BA\*; Robert Powers, PhD  
*(FSF Emerging Forensic Scientist Award Poster Presentation)*
- 11:30 a.m. – 1:00 p.m. **H55** **A Complex Suicide by Drowning and Stabbing: The First Italian Case Reported in the Literature**  
Stefano Duma, MD\*; Federica Mele, MD; Mariagrazia Calvano, MD; Mirko Leonardelli, MD; Enrica Macorano, MD; Francesco Introna, MD
- 11:30 a.m. – 1:00 p.m. **H56** **Spectrophotometric Analysis of Postmortem Lividity: A New Objective Measure to Define Time of Death**  
Mariagrazia Calvano, MD\*; Antonio De Donno, MD; Chiara Lauretti, MD; Ilaria Santoiemma, MD; Carmelinda Angrisani, MD; Federica Mele, MD; Mirko Leonardelli, MD; Stefano Duma, MD; Enrica Macorano, MD; Francesco Introna, MD
- 11:30 a.m. – 1:00 p.m. **H57** **The Effect of Multiple Washes and Thread Count on Semen-Stained Sheets**  
Jenna Hedlich, MSFS\*; Jason Linville, PhD



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11:30 a.m. – 1:00 p.m.	<b>H58</b>	<b>The First Italian Suicide Death Due to Helium Inhalation: The First Histological Findings and Pathogenesis</b> Enrica Macorano, MD*; Andrea Marzullo; Federica Mele, MD; Mariagrazia Calvano, MD; Mirko Leonardelli, MD; Stefano Duma, MD; Francesco Introna, MD
11:30 a.m. – 1:00 p.m.	<b>H59</b>	<b>Postmortem Findings in 11 Cases of Death Occurring After the Administration of an Anti-SARS-CoV-2 Vaccine</b> Chiara Franzetti, MD*; Sofia Bodini, MD; Alessandra Radogna, MD; Claudia Carelli, MD; Vittorio Bolcato, MD; Paola Braga, MD; Valeria Prandini, MD; Gulnaz Javan, PhD; Silvia Visonà, MD, PhD; Matteo Moretti, MD; Luca Morini, PhD
11:30 a.m. – 1:00 p.m.	<b>H60</b>	<b>Postmortem Computed Tomography (PMCT) in Luxembourg: A Retrospective Analysis</b> Thorsten Schwark, MD*; Martine Schaul, MD; Vincent Lens, MD; Andreas Schuff, MD
11:30 a.m. – 1:00 p.m.	<b>H61</b>	<b>Congenital Rib Abnormalities: A Presentation of Two Case Studies and a Literature Review</b> Gregory Dickinson, MD*; Hannah C. Jarvis, MRCS; Angela Soler, PhD; Julie Fleischman, PhD
11:30 a.m. – 1:00 p.m.	<b>H62</b>	<b>A Forensic Investigation of Fatal Myocardial Infarctions—A Gender-Wise Comparison, Autopsy Findings, and Biological Rhythms: A Study From Greece</b> Konstantinos Katsos, MD, PhD; Evmorfili Zouzia, MD, MSc; Konstantinos Moraitis, BSc, PhD; Dimitrios Vlachodimitropoulos, MD, PhD; Nikolaos Goutas, MD, PhD; Chara Spiliopoulou, PharmD, MD, PhD; Emmanouil Sakelliadis, MD, MSc, PhD*
11:30 a.m. – 1:00 p.m.	<b>H63</b>	<b>The Determination of Manner of Death When Evaluating Intent: An Examination of Two Cases of Brodifacoum Adulteration of Synthetic Cannabinoids</b> Libby S. Aronson, MD*; Michael D. Eckhardt, MD; Danial S. Isenschmid, PhD; Kristin C. Escobar Alvarenga, MD
11:30 a.m. – 1:00 p.m.	<b>H64</b>	<b>A Study of Post Severe Traumatic Brain Injury (sTBI): Pathological and Radiological Diffuse Axonal Injury (DAI) Changes</b> Meenakshi Sharma, MSc*; Dipin Sudhakaran, MD; Arulselvi Subramaniam, MD; Kangana Sengar, DNB; Shivanand Gamanagatti, MD; Vaishali Suri, MD; Rajesh Malhotra, MD; Sanjeev Lalwani, MD
11:30 a.m. – 1:00 p.m.	<b>H65</b>	<b>A Fatal Snap: Death by Extrinsic Percussion of the Neck</b> Andrea Costantino, MD*; Alice Chiara Manetti, MD; Eleonora Mezzetti, MD; Arianna Baronti, MD; Paola Santoro, MD; Lavinia Pellegrini, MD
11:30 a.m. – 1:00 p.m.	<b>H66</b>	<b>A Case of Traumatic Internal Carotid Artery Dissection: A Rare Event With Devastating Consequences</b> Giacomo Visi, MD*; Eleonora Mezzetti, MD; Andrea Scatena, MD; Aniello Maiese, MD; Paola Santoro, MD; Alessandra De Matteis, MD; Massimiliano Dell'Aquila, MD
11:30 a.m. – 1:00 p.m.	<b>H67</b>	<b>The Hazard of Grabbing a Quick Bite: A Case of Fatally Choking on Ham</b> Arianna Baronti, MD*; Andrea Costantino, MD; Andrea Scatena, MD; Giacomo Visi, MD; Zoe Del Fante, MD; Lavinia Pellegrini, MD; Silvia Romano
11:30 a.m. – 1:00 p.m.	<b>H68</b>	<b>Massive Insulin Injection: A Rare Case of Suicide</b> Paola Santoro, MD*; Andrea Costantino, MD; Arianna Baronti, MD; Eleonora Mezzetti, MD; Umberto De Gennaro, MD; Alice Chiara Manetti, MD; Fabio Del Duca, MD; Lavinia Pellegrini, MD
11:30 a.m. – 1:00 p.m.	<b>H69</b>	<b>When Chronic Venous Insufficiency Becomes a Life-Threatening Condition: A Case of Fatal Hemorrhage From a Varicose Veins' Ulcer</b> Zoe Del Fante, MD; Arianna Baronti, MD; Eleonora Mezzetti, MD; Alice Chiara Manetti, MD; Fabio Del Duca, MD*; Silvia Romano

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| 11:30 a.m. – 1:00 p.m. | <b>H70</b> | <b>Death by Arterial Injury: Two Unusual Cases of Sharp Force Fatalities</b><br>Lavinia Pellegrini, MD*; Fabio Del Duca, MD; Paola Santoro, MD; Andrea Costantino, MD; Giacomo Visi, MD; Alice Chiara Manetti, MD   |
| 11:30 a.m. – 1:00 p.m. | <b>H71</b> | <b>Postmortem Degradation of Porcine Skeletal Muscle Proteins During a Heat Wave in Northern Germany</b><br>Janine Geissenberger, MSc*; Jens Amendt, PhD; Fabio Carlo Monticelli, PhD; Peter Steinbacher, PhD; Stefan Pittner, PhD  |
| 11:30 a.m. – 1:00 p.m. | <b>H72</b> | <b>A Cocaine-Related Left Ventricle Rupture: A Case Report</b><br>Gabriele Licciardello, MD*; Federico Privitera, MD; Massimiliano Esposito, MD; Edmondo Scoto, MD; Sabrina Franco, MD; Aldo Liberto, MD  |
| 11:30 a.m. – 1:00 p.m. | <b>H73</b> | <b>Ischemic Heart Disease Due to Intramyocardial Amyloidosis and Undiagnosed Plasma Cell Myeloma</b><br>Nicole E. Stanley, MD*; Erik Christensen, MD  |
| 11:30 a.m. – 1:00 p.m. | <b>H74</b> | <b>An Indoor Postmortem Dog Scavenging: A Case Study</b><br>Andrea Vittorio Maria Failla, MD*; Gabriele Licciardello, MD; Giulio Di Mizio, MD; Mario Giuseppe Chisari, MD; Francesco Amico, MD; Monica Salerno, MD  |
| 11:30 a.m. – 1:00 p.m. | <b>H75</b> | <b>A Multidisciplinary Investigation of a Corpse Found at Sea, With Particular Focus on the Use of Barnacles for the Estimation of the Time Spent in Water</b><br>Marco Torrisi, MD*; Fabrizio Vanaria, MD; Manuela Coci, MD; Paola Magni, MD, PhD; Cristoforo Pomara, MD, PhD  |
| 11:30 a.m. – 1:00 p.m. | <b>H76</b> | <b>Bodies in a Pool of Blood: Murder or Natural Death?</b><br>Fausto Licciardello, MD*; Federico Privitera, MD; Salvatore Iannuzzi, MD; Giuliana Pennisi, MD; Pietro Mazzeo, MD; Aldo Liberto, MD   |
| 11:30 a.m. – 1:00 p.m. | <b>H77</b> | <b>An Unusual Suicide Using a Screwdriver: A Case Report</b><br>Bayan Alzumaili, MD*; Kristen K. Landi, MD; Avneesh Gupta, MD   |
| 11:30 a.m. – 1:00 p.m. | <b>H78</b> | <b>Post-Vaccination Myocarditis and Thrombosis: Monitoring Strategies and Impact on the Vaccines' Benefit-Risk Assessment</b><br>Giulio Perrone, MD*; Clio Bilotta, MD; Corinne La Spina, MD; Vanessa Milazzo, MD; Giuliana Malandrino, MD; Valeria Provenzano, MD; Daniela Guadagnino, MD; Mario Spanò, MD; Walter Pitingaro, MD; Mattia Palmeri, MD; Valeria Tullio, PhD; Stefania Zerbo, PhD; Antonina Argo, PhD |
| 11:30 a.m. – 1:00 p.m. | <b>H79</b> | <b>Sudden Cardiac Death and Thymic Hypertrophy: A Recurrent Cycle in Medicine</b><br>Simona Nicoli, MD*; Marcello Benevento, MD; Giampiero Bottari, MD; Cristina Elena Rosa Caterino, MD; Francesco Clemente, MD; Biagio Dolarino, PhD, MD  |
| 11:30 a.m. – 1:00 p.m. | <b>H80</b> | <b>A Rare Case of Sudden Death Due to Endomyocardial Fibrosis in Italy: A Differential Diagnosis With Other Causes of Restrictive Cardiomyopathy</b><br>Chiara Rossetti, MD*; Giacomo Belli, MD; Paola Braga, MD; Lorenzo Franceschetti, MD; Cesare Garberi, MD; Mario Picozzi; Jutta M. Birkhoff, MD, PhD  |
| 11:30 a.m. – 1:00 p.m. | <b>H81</b> | <b>Formalin-Fixed Paraffin-Embedded (FFPE) Extraction of DNA From Tumor Samples: A Revolutionary Breakthrough</b><br>Kelly Burns, BS*; Dennis J. DeLuca, PhD  |



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## Case Studies

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*Moderator:*

Lorenzo Gitto, MD  
SUNY Upstate, Department of Pathology  
Syracuse, NY

*Co-Moderator:*

Mark Beneke, PhD  
International Forensic Research & Consulting  
Cologne, Germany

- 1:00 p.m. - 1:15 p.m. **H82** **Chronic Mineral Oil Aspiration: A Case of Exogenous Lipoid Pneumonia**  
Valeria Prandini, MD\*; Chiara Franzetti, MD; Gianmarco Di Palma, MD; Paolo Musto, MD;  
Alessandra Radogna, MD; Silvia Visonà, MD, PhD; Luca Morini, PhD; Matteo Moretti, MD
- 1:15 p.m. – 1:30 p.m. **H83** **Tell Me What You Ate and I'll Tell You When You Died**  
Fabio Policino, MD, PhD; Emanuele Capasso, MD\*, PhD; Pierpaolo Di Lorenzo;  
Serena Dei Medici, MD; Mariagrazia Marisei, MD; Gianluca Auriemma, MD; Massimo Niola
- 1:30 p.m. - 1:45 p.m. **H84** **Sometimes Common Stuff Can Kill: Pay Attention to Your Phone**  
Giulia Bini, MD; Mirella Sabatino, MD\*; Domenico De Stradis, MD; Sofia Bodini, MD;  
Ludovico Re, MD; Laura Scotti, MD; Chiara Siodambro, MD; Silvia Damiana Visonà, PhD;  
Gulnaz T. Javan, PhD; Luca Morini, PhD; Fabrizio Scapin, MD; Matteo Moretti, MD
- 1:45 p.m. – 2:00 p.m. **H85** **Drowning at Home: Risk Factors and Prevention in Adults**  
Adrienne Aardema, BS\*; Theodore Brown, MD; Joseph A. Prahlow, MD
- 2:00 p.m. - 2:15 p.m. **H86** **The Differential Diagnosis Between Accidental Injury and Fatal "Shaken Elderly Syndrome":  
Insights From a Case Report**  
Valentina Bugelli, MD; Ilaria Tarozzi, MD\*; Matteo Cecchetti, MD; Arturo Abruzzese, MD;  
Francesca Iannaccone, MD; Marco Di Paolo, MD
- 2:15 p.m. - 2:30 p.m. **H87** **A Fatal Case of Delayed Post-Tonsillectomy Hemorrhage: Potential Medicolegal Implications**  
Rasmey Thach, DO\*; Lorenzo Gitto, MD
- 2:30 p.m. – 2:45 p.m. **H88** **Disseminated Fungal Infections at Forensic Autopsy**  
Amy R. Lorber, AB\*; Joseph A. Prahlow, MD
- 2:45 p.m. - 3:00 p.m. **BREAK**
- 3:00 p.m. - 3:15 p.m. **H89** **Krönlein Shots and Pseudo-Krönlein Shots**  
Christopher Ramos, MD\*; Joseph A. Prahlow, MD; Elizabeth Douglas, MD
- 3:15 p.m. - 3:30 p.m. **H90** **Mutual Homicide Including Immediate Revenge Homicide by Two Unrelated Assailants  
Utilizing One Sword**  
Wendy M. Gunther, MD\*; Molly House, DO
- 3:30 p.m. - 3:45 p.m. **H91** **WITHDRAWN**
- 3:45 p.m. – 4:00 p.m. **H92** **Woman-to-Woman Sexual Violence: A Case Discussion**  
Sarah Al Hinnawi, MD\*
- 4:00 p.m. - 4:15 p.m. **H93** **Fatalities Due to the February 2021 Winter Storm in Harris County, Texas**  
Noah Reilly, DO\*; Varsha Podduturi, MD; Hannah C. Jarvis, MRCS





## Thursday—Session II

### A Year of SARS-CoV-2

*Moderator:*

Kristinza W. Giese, MD  
Office of the Chief Medical Examiner  
Washington, DC

*Co-Moderator:*

Jamie Elifritz, MD  
University of New Mexico  
Albuquerque, NM

- 8:30 a.m. - 8:45 a.m. **H94** **COVID Testing and Postmortem Interval**  
Breanna Cuchara, MS\*; Francisco J. Diaz, MD  
(FSF Emerging Forensic Scientist Award Oral Presentation)
- 8:45 a.m. – 9:00 a.m. **H95** **SARS-CoV-2 Active Replication in Cadavers**  
Francesca Cazzato\*; Simone Grassi; Alessandro Alfonsetti; Massimo Zedda; Paola Cattani;  
Flora Marzia Liotti; Marco Dell'Aquila; Vincenzo Lorenzo Pascali; Maurizio Sanguinetti;  
Vincenzo Arena; Antonio Oliva
- 9:00 a.m. – 9:15 a.m. **H96** **The Postmortem Persistence Time of Sars-CoV-2 Virus: An Analysis of a Case Series**  
Isabella Aquila, MD, PhD\*; Matteo A. Sacco, MD; Pietrantonio Ricci, MD, PhD
- 9:15 a.m. – 9:30 a.m. **H97** **Ventilated Postmortem Imaging of COVID-19-Related Lung Disease With Clinicopathologic Correlation**  
Nadia Solomon, MD, MSc, MA\*; Inga Melvinsdottir, MD; Shin Rong Lee, MD, PhD;  
Roxanne Wadia, MD; Savannah Gisriel, MD, MPH; Donald Turbiville, MD;  
Declan McGuone, FRCPath, MBBCh; S. David Hudnall, MD; Albert Sinusas MD
- 9:30 a.m.– 9:45 a.m. **H98** **Postmortem Computed Tomography (PMCT): A Valuable Tool in the Study of SARS-CoV-2-Related Deaths?**  
Francesco Nardoni\*; Simone Grassi; Massimo Zedda; Guglielmo Manenti; Roberto Floris;  
Cesare Colosimo; Vincenzo Arena; Vincenzo Lorenzo Pascali; Laura Filograna; Antonio Oliva
- 9:45 a.m. – 10:00 a.m. **H99** **COVID-19-Associated Myocarditis at Autopsy**  
Charles Rohrer, MD\*; Adam Bailey, MD, PhD; Erin Brooks, MD
- 10:00 a.m. – 10:15 a.m. **H100** **Anosmia and COVID-19: A Search for the Virus in the Brain Through Immunohistochemical Investigations With the Anti-Sars-CoV-2 Antibody**  
Stefania De Simone, DM\*; Maria Antonella Bosco, DM; Elena Giacani, DM;  
Michela Ferrara, DM; Raffaele La Russa, DM; Luigi Cipolloni, DM
- 10:15 a.m. – 10:30 a.m. **BREAK**
- 10:30 a.m. – 10:45 a.m. **H101** **Died From or Died With COVID-19? The Application of Frailty Scores in the Assessment of Causality in 41 Autopsy Cases in Elderly Community Settings**  
Martina Zanon, MD\*; Martina Montanaro, MD; Francesca Sinopoli, MD; Matteo Dri, MD;  
Davide Radaelli, MD; Carlo Moreschi, MD; Stefano D'Errico, MD, PhD
- 10:45 a.m. – 11:00 a.m. **H102** **Pediatric SARS-CoV-2 Infection in the Forensic Setting**  
Rebecca Folkerth, MD\*; Michelle Stram, MD, MSc; Dimath Alyemni, MD, MPH;  
Michael Greenberg, MD; Avneesh Gupta, MBBS; Amanda Krausert, MD; Lauren Mecca, MD;  
Sophia Rodriguez, MD; Jay Stahl-Herz, MD
- 11:00 a.m. – 11:15 a.m. **H103** **Overdose Analysis in a Year of COVID-19 in Orange County, California**  
Kelly Keyes, BS\*; Chelsea Brown, MA



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- 11:15 a.m. – 11:30 a.m. **H104** **A Year of Mandatory, Universal COVID-19 Postmortem Testing in San Francisco: Lessons Learned**  
Rand Miyashiro, MA\*; Willi McFarland, MD, PhD
- 11:30 a.m. – 11:45 a.m. **H105** **The Challenges of the Disposal of COVID-19-Deceased Bodies in Mumbai, India**  
Manoj Parchake, MD\*
- 11:45 a.m. - 12:00 p.m. **H106** **The Challenges in Managing Dead Bodies With COVID-19 in Indonesia**  
Yudy Yudy, MD; Klarisa Salim, MD; Denys Alim, MD\*
- 12:00 p.m. – 1:00 p.m. **BREAK**

## Invertebrates and Microbes

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*Moderator:*

David Carter, MD  
Chaminade University of Honolulu  
School of Natural Sciences & Mathematics  
Honolulu, HI

*Co-Moderator:*

Heather R. Jordan, PhD  
Mississippi State University  
Mississippi State, MS

- 1:00 p.m. - 1:15 p.m. **H107** **Estimating the Postmortem Interval (PMI) Using Decomposition Scoring Systems: A Comparative Study**  
Valentina Bugelli, MD\*; Silvia Raddi, MD; Matteo Cecchetti, MD; Ilaria Tarozzi, MD; Sara Bortolini, PhD; Carlo Pietro Campobasso, MD, PhD
- 1:15 p.m. – 1:30 p.m. **H108** **A Long-Term Study of Decomposition at a Tropical Taphonomy Facility: 2013–2021**  
David O. Carter, PhD\*; Alexis J.L. Peterson, BS; Adam Orimoto, MS; Agathe Ribereau-Gayon, PhD; Carlos A. Gutierrez, PhD; Katelynn A. Perrault, PhD
- 1:30 p.m. - 1:45 p.m. **H109** **A Longitudinal Study of Human Decomposition Across Summer and Winter in Quebec, Canada**  
Agathe Ribéreau-Gayon, PhD\*; Shari Forbes, PhD  
*(FSF Emerging Forensic Scientist Award Oral Presentation)*
- 1:45 p.m. – 2:00 p.m. **H110** **WITHDRAWN**
- 2:00 p.m. - 2:15 p.m. **H111** **Pre-Colonization Data Improves Larval Age Estimations With Human Remains**  
Charity G. Owings, PhD\*; Hayden McKee, MSc; Erin Patrick, MS; Sarah Schwing, BA, BSc; Thomas Delgado, BA; Dawnie W. Steadman, PhD
- 2:15 p.m. - 2:30 p.m. **BREAK**
- 2:30 p.m. – 2:45 p.m. **H112** **Successional Changes in the Entomological, Bacteriological, and Fungal Communities During the Decomposition of Swine Carcasses**  
Denise Gemmellaro, PhD\*; Rachel Domke, BA; Kristina Kovalska; Amanda Joy O'Connor; Olivia Pate; Gloria Raise; Nicholas Lorusso, PhD; Maria Shumskaya, PhD  
*(FSF Emerging Forensic Scientist Award Oral Presentation)*
- 2:45 p.m. - 3:00 p.m. **H113** **A Characterization of Volatiles Produced by Five Aerobic Postmortem Bacterial Species**  
Kyle Furuta, BSFS; Julianne Byrne, BSFS; Cynthia Cheung, MSFS; David O. Carter, PhD; Katelynn A. Perrault, PhD\*
- 3:00 p.m. - 3:15 p.m. **H114** **Determining Human Identity From Leeches**  
Veronica M. Cappas, BS\*; Reena Roy, PhD  
*(FSF Emerging Forensic Scientist Award Oral Presentation)*



## Thursday—Session III

### 2022 Jay Dix Lecture Series

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*Moderator:*

Michael A. Graham, MD  
Saint Louis University School of Medicine  
St. Louis, MO

- 9:00 a.m. – 10:00 a.m. **H115** **Deaths Due to Electricity**  
Joseph A. Prahlow, MD\*
- 10:00 a.m. – 10:15 a.m. **BREAK**
- 10:15 a.m. – 11:05 a.m. **H115** **Firearm Injuries**  
Andrew M. Baker, MD\*
- 11:05 a.m. – 12:00 p.m. **H115** **Investigation of Death Due to Asphyxia**  
Jonathan Hayes, MD\*
- 12:00 p.m. – 2:00 p.m. **BREAK**
- 2:00 p.m. – 2:50 p.m. **H115** **Deaths Associated With Sports**  
Joyce L. deJong, DO\*
- 2:50 p.m. – 3:05 p.m. **BREAK**
- 3:05 p.m. – 3:55 p.m. **H115** **Deaths Due to Drugs and Other Toxic Agents**  
James R. Gill, MD\*

## Friday—Session I

### Retrospective Studies

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*Moderator:*

Gregory M. Dickinson, MD  
Office of the Chief Medical Examiner  
New York, NY

*Co-Moderator:*

Denise Wohlfahrt, BS  
Virginia Commonwealth University  
Richmond, VA

- 8:30 a.m. - 8:45 a.m. **H116** **The National Center for Forensics—Forensic Workforce Development**  
Danny A. Milner, Jr., MD, MSc; Joseph A. DiZinno, DDS; Anthony B. Falsetti, PhD; Amie Ely, JD;  
Robert A. Kurtzman, DO\*
- 8:45 a.m. – 9:00 a.m. **H117** **The National Center for Forensics—The Medical Examiner’s Role**  
Robert A. Kurtzman, DO\*; Danny A. Milner, Jr., MD, MSc; Anthony B. Falsetti, PhD;  
Joseph A. DiZinno, DDS; Amie Ely, JD
- 9:00 a.m. – 9:15 a.m. **H118** **Gunshot-Related Fatalities in the Pediatric Population: A Retrospective Study From the Cook County Medical Examiner’s Office**  
Lorenzo Gitto, MD\*; Ponni Arunkumar, MD



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- 9:15 a.m. – 9:30 a.m. **H119** **Human Fatalities Caused By Dogs: A 17-Year Retrospective Study in Harris County, Texas, and New York City, New York**  
Hannah C. Jarvis, MBBS, MRCS\*; Gregory M. Dickinson, MD
- 9:30 a.m. – 9:45 a.m. **H120** **Homeless Mortality Reporting by the King County, Washington, Medical Examiner's Office: Impact and Importance**  
Nicole A. Croom, MD, MPH\*; Richard C. Harruff, MD, PhD
- 9:45 a.m. – 10:00 a.m. **BREAK**
- 10:00 a.m. – 10:15 a.m. **H121** **An Analysis of Two Decades of Intimate Partner Femicide-Suicide in Turkey**  
Nüket Paksoy Erbaydar, MD, PhD; Nilufer Dilara Ar Mutlu, MSc;  
Aysun Balseven Odabaş, MD, PhD; Mehmet Cavlak, MD\*
- 10:15 a.m. – 10:30 a.m. **H122** **Influencing Factors on Postmortem Protein Degradation for Postmortem Interval (PMI) Estimation: A Systematic Review**  
Angela Zissler\*; Walter Stoiber; Janine Geissenberger, MSc; Peter Steinbacher, PhD;  
Fabio Carlo Monticelli; Stefan Pittner, PhD\*
- 10:30 a.m. – 10:45 a.m. **H123** **Postmortem Computed Tomography (PMCT) in Unwitnessed Choking: A Case Report and Retrospective Review of Seven Cases of Airway Obstruction**  
Michael Harrell, MD\*; Lauren Decker, MD  
(FSF Emerging Forensic Scientist Award Oral Presentation)
- 10:45 a.m. – 11:00 a.m. **H124** **The Status of Internal Neck Structures in Violent Compression of the Neck: A Ten-Year Autopsy Study**  
Nilesh Tumram, MD\*
- 11:00 a.m. – 11:15 a.m. **H125** **A Comparison of Findings Identified at Traditional Invasive Autopsy and Postmortem Computed Tomography (PMCT) in Suicidal Hangings**  
James Lyness, MB, BCh\*; Anthony Collins, MB, BCh; Guy Ruddy, MB, MD; Jane Ruddy, PhD, MSc

## Friday—Session II

### Cases of Cardiac Arrest, Asphyxia, and Suicide

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*Moderator:*

Jonathan Parrott, PhD  
Arizona State University  
Glendale, AZ

*Co-Moderator:*

Gregory A. Schmunk, MD  
Urbandale Forensics, P.C.  
Urbandale, IA

- 8:30 a.m. - 8:45 a.m. **H126** **An Autopsy Study of Anthropometric Measurements and Indices of Obesity and Their Relationship With Coronary Artery Atherosclerosis in a South Indian Population**  
Francis Nanda Prakash Monteiro, MD, DNB\*; Shyna Quadras; Tanush Shetty, MD
- 8:45 a.m. – 9:00 a.m. **H127** **A Tale of Unrelenting Chest Pain: The “Short” Versus the “Tall”**  
Robyn Parks, MD\*
- 9:00 a.m. – 9:15 a.m. **H128** **Restraint-Related Asphyxia, Excited Delirium, and Drugs: The Role of Counterfactual Causation in Assessing the Cause of Death in Custody**  
Michael Freeman, MD, PhD; Ellen Strommer, MPH\*
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9:15 a.m. – 9:30 a.m.	<b>H129</b>	<b>Prone Restraint Cardiac Arrest: A Comprehensive Review of the Scientific Literature and an Explanation of the Physiology</b> Alon Steinberg, MD*
9:30 a.m.– 9:45 a.m.	<b>H130</b>	<b>Prone Restraint Cardiac Arrest</b> Victor Weedn, MD, JD*; Alon Steinberg, MD; Pete Speth, MD
9:45 a.m. – 10:00 a.m.	<b>H131</b>	<b>The Role of Mast Cells in Deaths Associated With Fatal Asphyxia: An Immunohistochemical Study Utilizing the CD117 Marker</b> Raghendra Shekhawat, MD*; Vikas P. Meshram, MD; Meenakshi Rao, MD; Tanuj Kanchan, MD; Rutwik Shedje, MSFS; Rahul Panwar
10:00 a.m. – 10:15 a.m.		<b>BREAK</b>
10:15 a.m. – 10:30 a.m.	<b>H132</b>	<b>A Suicidal Transnasal Hunting Crossbow Bolt Head Shot: A Case Report</b> Wolf Schweitzer, MD; Michael Thali, MD; Christina Herbst, MD, Lars Ebert, PhD*; Rilana Baumeister, MD, PD; Garyfalia Ampanozi, MD; Ni Jian, MD; Stephan Bolliger, MD
10:30 a.m. – 10:45 a.m.	<b>H133</b>	<b>Bad Manners: Suicide by Starvation</b> Debra Berry, MD, MS*; Sterling McLaren, MD; Ian Puffenberger, MD; Meredith Frank, MD; James Caruso, MD
10:45 a.m. – 11:00 a.m.	<b>H134</b>	<b>Suicide and Mental Health: Observations From a Coroner/Medical Examiner Office</b> Nicole Panzica*; Brandi C. McCleskey, MD
11:00 a.m. – 11:15 a.m.	<b>H135</b>	<b>Web-Enabled Suicide Using Sodium Nitrite: An Old Forensic Challenge in New Clothes</b> Monica Concato, MD*; Davide Radaelli, MD; Michela Peruch, MD; Martina Zanon, MD; Lara Consoloni, MD; Alessandro Manfredi, MD; Giovanna Bettoli; Riccardo Addobbati; Stefano D’Errico, MD, PhD