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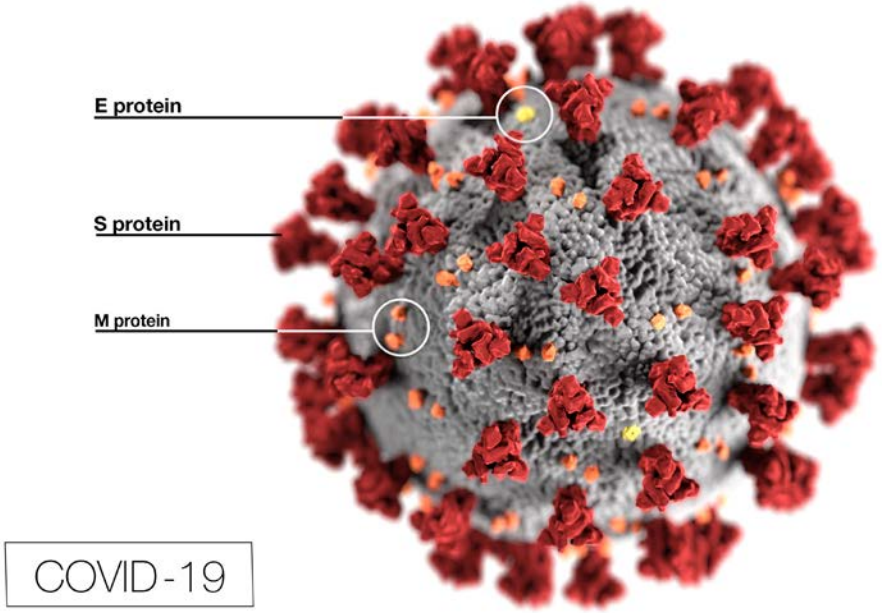
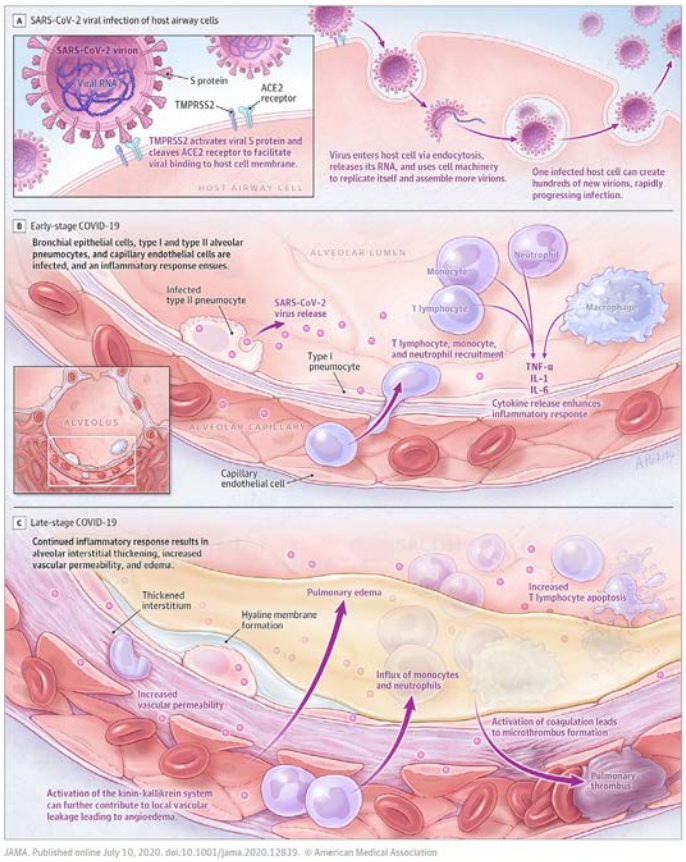
Alumni Awards at AMI 2020

October 15, 2020

The Dept. of Medical Illustration is pleased to announce that several of our talented alumni—and alumni-owned companies—have recently received high honors for their brilliant work. Amazing illustrations, animations, interactive media and sculptures were on display in the Professional Salon held online this Fall by the Association of Medical Illustrators (AMI). Celebrating its 75th Anniversary this year, the Association of Medical Illustrators is the preeminent international professional society in this field. More information about the organization can be found at https://ami.org/. Our alumni award recipients include:



▲ Alissa Eckert (Class of '06)
Award of Merit, Editorial
Title: "2020 Global Pandemic Health Enemy #1: SARS-CoV-2"
Description: In January of 2020, the Centers for Disease Control and Prevention opened its emergency operations center for the outbreak of COVID-19 after the first travel-related case was detected in the United States. A novel coronavirus, named Severe Acute Respiratory Syndrome coronavirus 2 (SARS-CoV-2), was identified as the cause of the outbreak of the respiratory illness. An up-close and detailed image of the enemy virus was immediately created to function as an emergency health alert. The image needed to capture the attention of the public and create awareness around the rising pandemic. This now-iconic image reveals the ultrastructural morphology exhibited by coronaviruses. The grayish bumpy surface is the nuclear envelope. The Spike (S) proteins are the red outer proteins that give the virus its signature crown-like appearance. The Envelope (E) proteins, the yellow crumb-like pieces, help it penetrate the cells. The orange Membrane proteins (M) assist in giving the virus its form. The image uses lighting, realism, texture, contrast and color to emphasize the seriousness and gravity of the situation. Three versions were created: a dark more ominous version best suited for broadcast and news outlets, a white version for publications, and a labeled version as seen above.



JAMA. Published online July 10, 2020. doi:10.1001/jama.2020.12839. © American Medical Association

Andy Rekito (Class of '02)

Award of Excellence, Didactic/Instructional – Non-Commercial

Title: "Immunopathogenesis of Coronavirus Disease 2019 (COVID-19)"

Client: Journal of American Medical Association (JAMA)

Description: This figure describes the current understanding of the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) induced host immune response, from initial airway cell uptake of the virus through early and late disease stages. The immunopathogenic response to high viral load in the lower respiratory tract results in endothelial barrier disruption, dysfunctional alveolar-capillary oxygen transmission, and impaired oxygen diffusion capacity, which cumulatively are compatible with early-phase acute respiratory distress syndrome. Inflamed lung tissues and pulmonary endothelial cells may also result in microthrombi formation and contribute to high incidence of deep venous thrombosis, pulmonary embolism, and thrombotic arterial complications in seriously ill patients. © 2020 JAMA. All rights reserved.

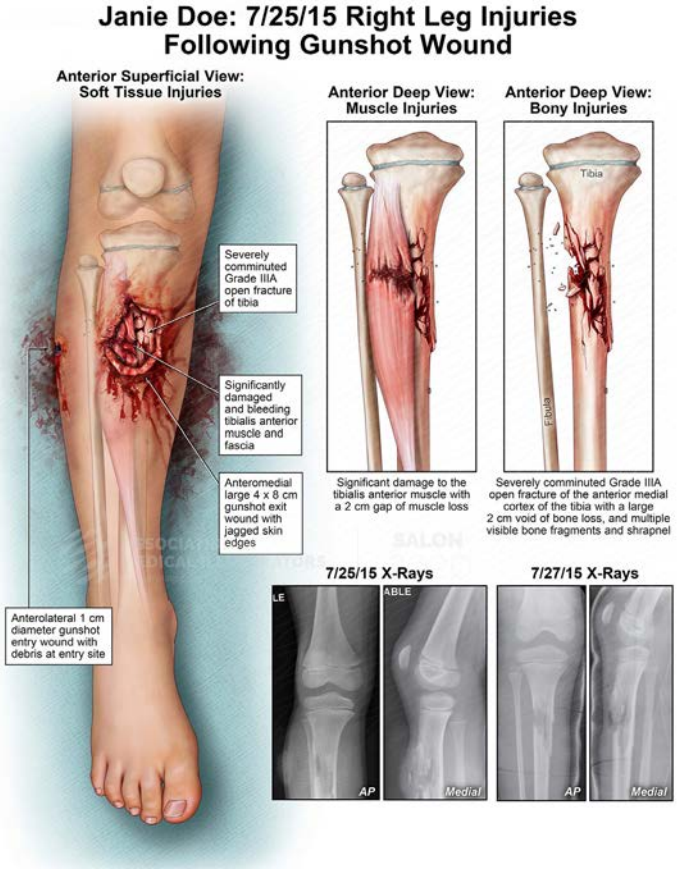
Jennifer Darcy (Class of '04)

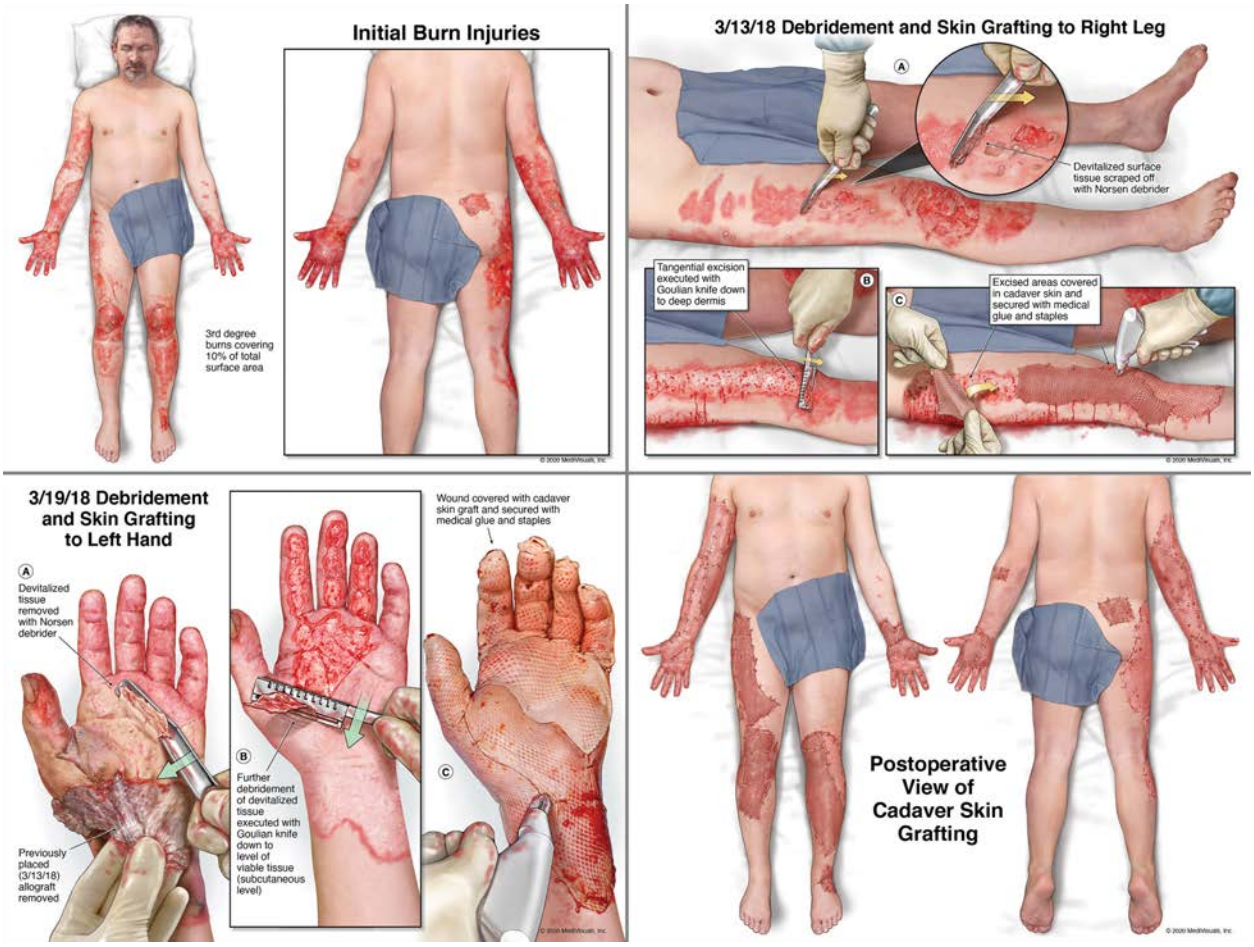
Award of Excellence, Medical-Legal

Title: "Janie Doe: 7/25/15 Right Leg Injuries Following Gunshot Wound"

Client: Amicus Visual Solutions, owned by Ahsa Kays (Class '01) and Michael Havranek

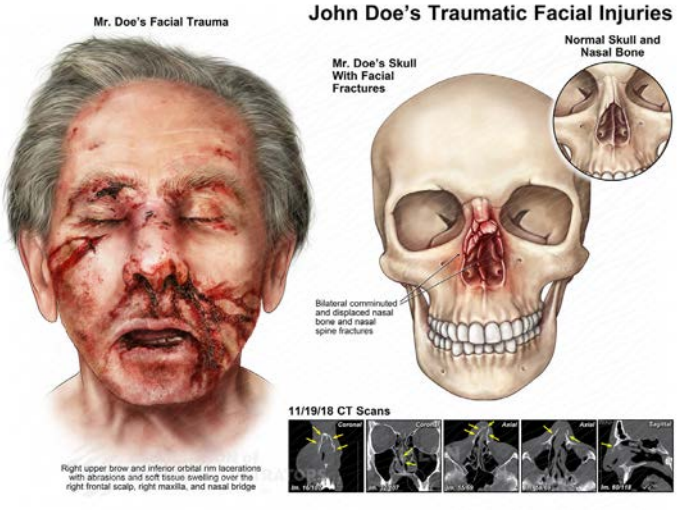
Description: A young, 7YOA girl sustained severe right leg trauma during an open-house tour. During the course of the tour, the plaintiff's brother found the defendant homeowner's loaded and unattended 9mm handgun. When the brother picked up the gun it discharged. A bullet struck his sister, the plaintiff. The illustrations were developed to show the severity of the gunshot wound injuries to the soft tissues and to the tibia. Additional exhibits for this case were created showing the necessary initial surgical repair along with multiple surgical sharp excisional debridements of the anterior gunshot wound site. The illustrations were based on descriptions of the wounds during surgery, radiological studies showing the soft tissue and bony injuries, medical reports, and post-operative photos. © 2020 Amicus Visual Solutions. All rights reserved.





▲ [Philip Mattes](#) (Class of '87)
Award of Excellence, Medical-Legal
Title: "Burn Injuries and Treatments"
Client: [MediVisuals, Inc.](#)

▶ [Jennifer Darcy](#) (Class of '04)
Award of Merit, Medical-Legal
Title: "John Doe's Traumatic Facial Injuries"
Client: [Amicus Visual Solutions](#), owned by Ahsa Kays (Class '01) and Michael Havranek
Description: Demonstration of the severe facial trauma sustained by the plaintiff after he was found assaulted by his roommate in his nursing facility. The left-side illustration demonstrates the superficial facial trauma, including multiple lacerations, abrasions, and swelling. The right-side illustration demonstrates the deeper, bony trauma, with severe nasal fractures. The inset helps the viewer compare the normal skull and nasal bones with the extensive nasal fractures. Radiology reports, CT scans, medical records, and photographs were used to ensure accurate depiction. © 2020 Amicus Visual Solutions. All rights reserved.



▼ Mike Gleason (Class '88), Mary Beth Clough (Class '96), Elizabeth McDonald Hanan (Class '10) & Nucleus Medical Media, Inc.

Award of Merit, Animation, Didactic/Instructional – Noncommercial

Title: "How COVID-19 Affects the Body"

Client: Nucleus Medical Media, Inc.

Description: The purpose of this animation is to raise awareness about COVID-19, including what it is, how SARS-CoV-2 infects the cells of the body, and key symptoms and risk factors. © 2020 Nucleus Medical Media, Inc.

▼▼ Elizabeth McDonald Hanan (Class '10) & Nucleus Medical Media, Inc.

Award of Merit, Animation, Didactic/Instructional – Noncommercial

Title: "Decoding Cancer Immunology: Hunting Hidden Tumors"

Client: Springer Nature Ltd.

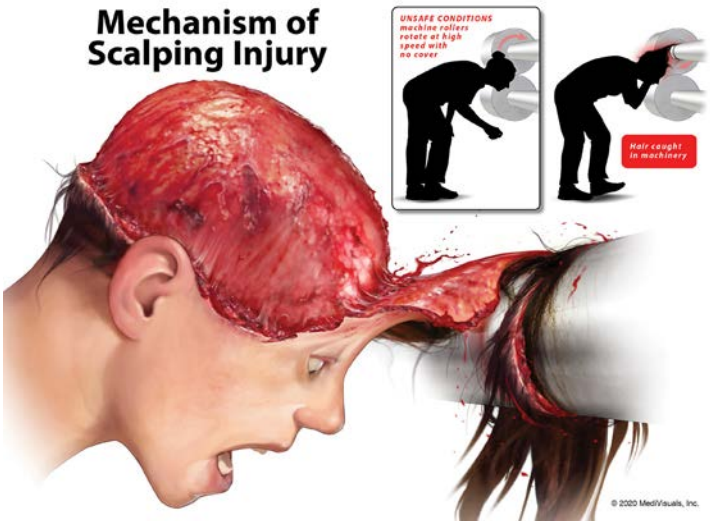
Description: This animation helps people understand how scientists are using advanced sequencing technologies to decode the complex interactions between cancer cells and the immune system with the goal of developing unique treatments that boost the immune system to help the body win its battle against cancer. © 2019 Springer Nature Ltd.

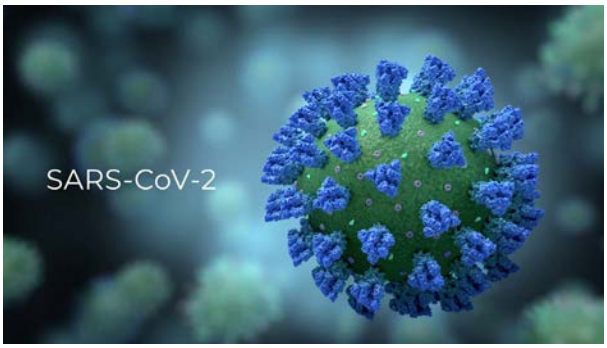
▼ Hardy Fowler (Class '07) & MediVisuals, Inc.

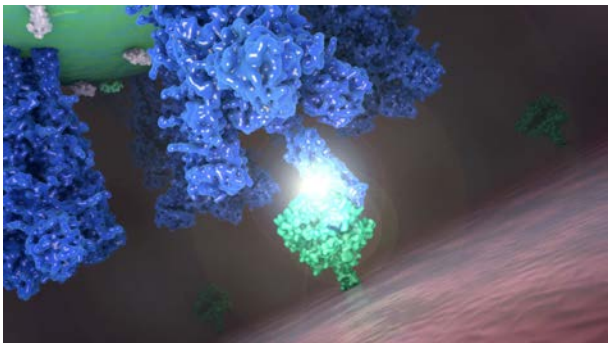
Award of Merit, Medical-Legal

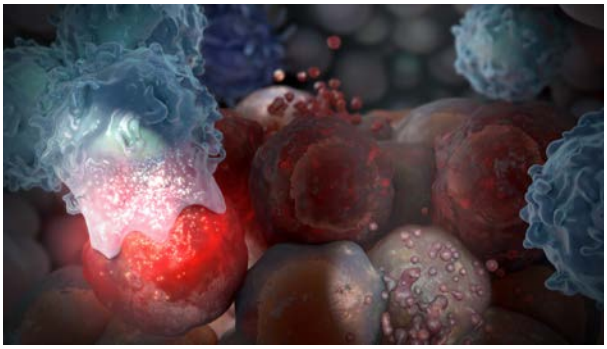
Title: "Mechanism of scalping Injury"

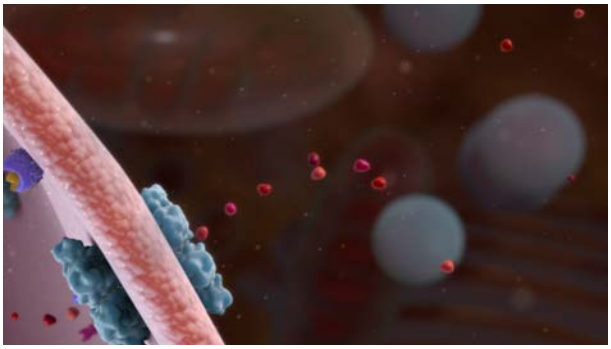
Client: MediVisuals, Inc.,











Congratulations to all our alumni award recipients! Your work is amazing, and reflects your ongoing quest for artistic and scientific excellence. For more information about the Medical Illustration Graduate Program at Augusta University, please visit our website or contact us at medart@augusta.edu.