

THE DEPARTMENT OF
BIOMEDICAL ENGINEERING

20

22

DESIGN DAY

HAJIM QUAD
APRIL 29 • 12:30-3PM

SENIORS

APIJECT NEEDLE

Client: ApiJect

Team: Abdullah Abuomar, Chloe Jones, Hana Kalco, Katelin Klaric, Ronald Lakony, Helen Shammass

AUTOMATED HISTOLOGY

Client: Walter Richard Burack, MD, PhD, Professor of Pathology and Laboratory Medicine, Vice Chair of Clinical Operations

Team: Amanda Adams, Gradi Bamfonga, Ahmet Gurcan, Connor Heckman, Ruyi Li

BAXTER SMART ROOM

Client: Karen Fellows, Baxter International Inc.

Team: Nejat Can, Thu Le, Tram Nguyen, Oishee Rahman

CERVICAL SPINE DIARY

Client: Ramzi El Hassan, MD, Interventional Spine and Musculoskeletal Fellow

Team: Ahmad Abdal Qader, Anapaula Avila, Luis Borja, Hamza Hasan

CT-GUIDED ANGLE DEVICE

Client: Akm Rahman, PhD, Department of Imaging Sciences

Team: Arpeet Dabhade, Linh Hoang, Tracey Moyston, Jacob Roccabruna

HIP BROACHING SYSTEM

Client: John Ginnetti, MD, Division Chief Adult Reconstruction, Department of Orthopaedics and Physical Performance

Team: Stuart Aldred, Anurag Dwivedi, Kate Lindsey, Zachary Muench, Reshul Narhari

FALL PREVENTION

Client: Curbell Medical

Team: Benjamin Gwinnell, Megan Hauer, Chloe Li, Danielle Marouni, Parinitha Sharma



JUNGLECUP SURVEILLANCE

Client: Tim Dye, MD, Department of Medical Anthropology

Team: Ava Giorgianni, Jacob Kelley, Tiana Salomon, Kaelyn Schloss, Caroline Stockwell

LESS SCARY CAST REMOVAL

Client: Natasha O'Malley, MD, Department of Orthopaedics

Team: Anna Baber, Thomas Dolan, Melisanda Feliz, Abbey Gilman, Delaney Martino

NEONATAL CPAP ADAPTOR

Client: Andrew Dylag, MD, Department of Pediatrics, Golisano Children's Hospital

Team: Justin Jablonski, Wendy Jung, Befikadu Mekonnen, John Moyer, Ivana Pacar, Terra Spurgeon

NERVE CONDUCTION

Client: Jonathan Stone, MD, Department of Neurosurgery

Team: Meah Ahmed, Carolyn Kochek, Lindsey Rudtner, Priscila Passerotti Vaciski B

COMMUNE FOR NEUROGENIC BOWEL

Client: Sara Salim, MD, Department of Physical Medicine and Rehabilitation

Team: John Bates, Chastity Chavez, Madison Lang, Alexander Rivera, Camila Ruiz Vega

VASCULAR ACCESS SAFEGUARD

Client: Kathleen Pratt, PICC-Team Line Insertion Nurse, UPMC

Team: Marianna Aviles Jubis, Ingrid Dukundane, Hannah Glucksman, Mimi Jung

GRAD STUDENTS (CMTI)

SAFE MEDICAL MONITORING SYSTEMS (SMMS)

Device: DetectIV

Team: Theo Couderc, Sophie Mackenzie, Rebecca Mathurin

MITRAL VALVE PAPILLARY (MVP) RING

Device: Mitral Valve Papillary (MVP)

Team: Ejiroghene Davies-Okarevu, Katarina Lichak

STMEDICAL

Device: safeT

Team: Hadi Wehbe, Lucas Lassinger, Stephen Wells

BUBBLE TROUBLE

Device: Bubble Remover

Team: Michael Lee, Samuel Maquet

CALCATCH

Device: Calcium Catcher

Team: Nandita Bhowmik, Bahie Ezzat

LEMICI

Device: Lemici DASHcam

Team: Warish Orko, Mark Truskinovsky

SCREWIT KIT

Device: Screw Insertion Trajectory Kit

Team: Allison Coon, Abbi Miller, Sylvia Zhong

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