DEPARTMENT OF
PATHOLOGY & LABORATORY MEDICINE
GRAND ROUNDS
MONDAY, June 19, 2017
12:00 – 1:00PM
SPECIAL PRESENTATIONS BY:
BIOMEDICAL ENGINEERING DESIGN STUDENTS
COURSES: BIM110, BIM171 (PREVIOUSLY BIM189C)
PATHOLOGY BUILDING, PATH 1002
4400 V STREET
SACRAMENTO, CA 95817

Development of a Rapid Bedside Whole Blood Hemolysis Detection System.
Presented by: Meghan Doherty, Erica Nash, Jordan Feeny, and Shefali Pandya
Objectives:
1) Describe mechanisms causing hemolysis
2) Compare methods for measuring hemolysis in the clinical laboratory setting
3) Identify how a bedside whole blood hemolysis detection system could be used in the patient care setting

Specimen Container 2.0: Thermoregulated Clinical Specimen Transport System
Presented by: Sarabeth Schommer, Aleksander Grim, Oscar Vargas, Jose Padilla, and Ventura Sierra
Objectives:
1) Describe challenges affecting biospecimen transport in the clinical laboratory setting
2) Compare current methods for transporting clinical samples between distant locations
3) Discuss how a thermoregulated specimen container improves the quality of lab testing

KAD: K-wire Alleviating Device
Presented by: Xenia Ivanova, Sean McCutcheon, Aleksander Grim, Oscar Vargas, Jose Padilla, and Ventura Sierra
Objectives:
1) Identify the clinical applications of K-wires in surgical settings
2) Identify perioperative challenges associated with K-wires
3) Discuss how a K-wire alleviating device improves quality of care

This event is a special presentation of the Biomedical Engineering Senior Design students and their Mentor, Dr. Nam Tran, PhD. This is a non-CME event and credit will be granted for attendance only.