ANATOMY COURSES

PA150.03. This "**Advanced Dissection Techniques**" course offers the students the opportunity to gain and/or expand his/her knowledge of human anatomy through the advanced dissection of human cadaveric materials. The course reviews anatomical structures and their relevance to specific surgical procedures. Several surgical procedures are performed on cadavers such as carotid endarterectomy, femoral and popliteal bypass with saphenous vein, thyroidectomy, liver transplant, gastrectomy, appendectomy, duodenopancreatectomy, ileocolostomy, hysterectomy, radical mastectomy and abdominal hernia repairs. Students have the opportunity to practice suturing techniques.

RA250.08. This "**Advanced Elective in Radiology**" course incorporates anatomy reinforcement sessions focusing on radiological anatomy and incorporating MRI and CT views of normal anatomical structures of the thorax, abdomen, limbs and head and neck.

The Division of Anatomy also collaborates with the Department of Emergency Medicine Harbor Faculty in an "**Emergent Procedures**" course that includes several sessions in the Gross Anatomy Laboratory during which students practice emergency medicine procedures on human cadaveric material.

In addition, several electives are offered for first and second year medical students.

Surgical Anatomy selective: This course covers several common surgical procedures emphasizing the anatomical basis of each. Sessions include a brief review of the pertinent anatomy (with anatomy faculty) and a description of the "procedure(s) of the day" (with surgery faculty). The most important component of each session is the cadaver lab portion. Experienced surgeons explain surgical procedures on the cadavers and the students have the opportunity to assist and to implement some of them on their own. Suturing techniques are included.

Radiological anatomy selective: This course focuses on the correlation of clinically relevant gross and radiographic anatomy and their applications to common clinical problems. The objectives are to correlate pertinent gross anatomic structures with their radiological imaging counterparts; to understand the indications, strengths and limitations of current radiology modalities; to apply the knowledge of normal gross and radiological anatomy to the identification of anatomic alterations caused by common pathologic processes; to apply this information to the diagnosis of common clinical problems, using a case-based teaching approach. The course includes interactive sessions designed to identify clinically important anatomic structures utilizing models and cadaver demonstrations; Presentations of selective radiological images to illustrate these gross anatomic structures as "virtual anatomy"; Interactive discussions on the various radiological modalities including conventional radiography, CT, MRI, ultrasound, and Nuclear Medicine/PET, including their current uses in clinical medicine; Demonstrations and discussions of how disease processes alter radiological anatomy; Case-based presentations of common clinical problems with anatomical and radiological correlation.

Head and Neck Integration selective: The goal of this course is to integrate anatomical knowledge of head and neck, with an emphasis in clinical anatomy. While this region is often presented in a fragmented manner, this course integrates relevant anatomical structures by focusing on clinical relationships and with a functional emphasis. The course begins with a brief review of relevant embryology. Sessions include an integration of the anatomy of the face and anterior neck, oral cavity and pharynx, nasal cavity and larynx, infratemporal and pterygopalatine fossae and a clinical integration of the cranial nerves. Each session includes a cadaver laboratory component, during which the students study on prosected human specimens.