

SURGERY

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Department(s): Surgery **SURG**
Course Title Anesthesiology SURG 661b
and Number: (Reno) Section 001

Preceptor(s): Associated Anesthesiologists of Reno
Joseph Bovill, M.D., V.A. Medical Center

Length: 2-4 weeks

Objectives/Goals:

This course establishes a direct relationship with the surgical patient so that the student will understand the signs and symptoms of various diseases including trauma; the methods of diagnosis; the management of these problems in the operating room and postoperatively; and the basic scientific background relative to the clinical features of these illnesses.

Description of Rotation:

The student will participate in the pre-operative evaluation of patients, intra-operative management and initial post-operative care. Appropriate participation in procedures will be determined on a case to case basis.

Reference:

Yao and Artusio: Anesthesiology. Lippincott.

Evaluation Method:

Oral Final Examination and written evaluation by faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Anesthesiology SURG 661b
and Number: (Las Vegas) Section 002

Preceptor(s): Department Faculty

Length: 2-4 weeks

Objectives/Goals:

1) Evaluation and management of the cardiovascular, respiratory and central Nervous systems of an unconscious patient; 2) Application of basic sciences to make clinical judgments 3) Communication with other physicians and health care personnel; 4) Understanding of how the perioperative period of care differs from other clinical situations.

Description of Rotation:

The student will participate in the pre-operative evaluation of patients; intra-operative management and initial post-operative care. Appropriate participation in procedures will be determined on a case to case basis.

Reference:

Longnesher, Tinker and Morgan: Principles and Practice of Anesthesiology.
Saunders.

Evaluation Method:

Written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Burn Surgery SURG 661c
and Number: (Las Vegas) Section 002

Preceptors): William Zamboni, M.D.

Length: 2-4 weeks

Objectives/Goals:

The student should learn the principles of resuscitation, debridement, skin grafting, splinting and physical and occupational therapy, as well as the social and psychiatric implications of burn injury.

Description of Rotation:

The student functions as a sub-intern on the Burn Care Unit at the University Medical Center with first-line participation in the resuscitation, acute care, and post reconstructive care of the burn patient. Students will be on home call at all times in all service functions.

Reference:

Grabb and Smith's Plastic Surgery. Lippincott.

Evaluation Method:

Written evaluation by the faculty preceptor

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Pediatric Surgery SURG 661d
and Number: (Las Vegas) Section 002

Preceptor(s): John Gosche, M.D.
Alexander Feliz, M.D.

Length: 2-4 weeks

Objectives/Goals:

The following are the minimum learning objectives for your rotation on the pediatric surgical service and apply to all levels of training. After completing the pediatric surgical rotation, participants will be able to: 1) Discuss important aspects of preoperative and postoperative care of pediatric surgical patients. 2) Identify treatment options and approaches for treating common pediatric surgical problems. 3) List at least three uncommon pediatric surgical diseases. 4) Understand the pathophysiology and/or embryology of at least three uncommon pediatric surgical diseases. 5) Describe the diagnostic evaluation and treatment options for at least three uncommon pediatric surgical diseases. 6) Demonstrate technical skills appropriate to level of training.

Description of Rotation:

Evaluation of patients will be in both an inpatient and outpatient office care setting including working in the operating room with a pediatric surgical attending. Reading assignments will be given for discussion purposes. The student will be able to observe and participate in the use of proper surgical sterile techniques.

Reference:

Pediatric Surgery, 6th Ed. (2 volume set), Authors: Grosfeld, O'Neill, Fonkalsrud, Coran. Publisher: Mosby-Elsevier, 2006
Pediatric Surgery, 4th Ed., Authors: Ashcraft, Holcomb, Murphy. Publisher: Elsevier-Saunders, 2005
Operative Pediatric Surgery, 6th Ed., Authors: Spitz and Coran. Publisher: Hodder-Arnold, 2006

Evaluation Method:

Subjective utilizing the standard evaluation form.

Grade:

Honors/High Pass/Pass/Marginal/Fail

Department(s): Surgery **SURG**
Course Title Acting Internship in General Surgery SURG 661f
and Number: (Reno) Section 001

Preceptor(s): Patricia May, M.D.

Length: 2 - 4 weeks

Objectives/Goals:

Learn the presentation, pathophysiology and treatment of surgical diseases with correlation of this information with operative techniques.

Description of Rotation:

The student functions as a sub-intern on the general surgery service. The student is assigned to one of the general surgery PGY-5s Chief Residents. The student will function at an intern level and will share duties. The student is on call every third night and participates in departmental didactic sessions, service clinic and all phases of pre-operative evaluation, as well as pre-operative, intra-operative and post-operative care. This rotation is designed as a "hands-on" intensive experience in all phases of clinical and general surgical care. An emphasis on colorectal or surgical-oncology can be arranged. Attendance at private office hours allows for one-on-one interaction with attending physicians.

Reference:

Schwartz. Principles of Surgery. McGraw Hill

Evaluation Method:

Written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Acting Internship in General Surgery SURG 661f
and Number: (Las Vegas) Section 002

Preceptor(s): Joseph Thornton, M.D.
Daniel Kirgan, M.D.
Leslie Browder, M.D.
James Lau, M.D.

Length: 2-4 weeks

Objectives/Goals:

Learn the presentation, pathophysiology and treatment of surgical diseases with correlation of this information with operative techniques.

Description of Rotation:

The student functions as a sub-intern on the general surgery service. The student is assigned to one of the general surgery PGY-5s Chief Residents. The student will function at an intern level and will share duties. The student is on call every third night and participates in departmental didactic sessions, service clinic and all phases of pre-operative evaluation, as well as pre-operative, intra-operative and post-operative care. This rotation is designed as a "hands-on" intensive experience in all phases of clinical and general surgical care. An emphasis on colorectal or surgical-oncology can be arranged. Attendance at private office hours allows for one-on-one interaction with attending physicians.

Reference:

Schwartz. Principles of Surgery. McGraw Hill

Evaluation Method:

Written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Neurosurgery SURG 661g
and Number: (Las Vegas) Section 002

Preceptor(s): Department Faculty

Length: 2-4 weeks

Objectives/Goals:

This course establishes a direct relationship with the surgical patient so that the student will understand the signs and symptoms of disease and trauma; the methods that are useful in diagnosis; the management of these problems in the operating room and on the hospital ward; and the basic scientific background relative to the clinical features of these illnesses.

Description of Rotation:

The student will be an active participant in the pre-operative evaluation; both the surgical procedure and post-operative care of the patients. The patient interaction will include an office setting and the hospital.

Reference:

Kaye. Essential Neurosurgery. Saunders

Evaluation Method:

An oral examination and a written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Ophthalmology SURG 661h
and Number: (Reno) Section 001

Preceptor(s): Curtis Manning, M.D.
Eye Care Associates

Length: 2 - 4 weeks

Objectives/Goals:

This course establishes a direct relationship with the surgical patient so that the student will understand the signs and symptoms of disease and trauma; the methods that are useful in diagnosis; the management of these problems in the operating room, the outpatient setting and in the hospital; and the scientific foundation relative to the clinical features of these illnesses.

Description of Rotation:

The student will participate in both hospital and outpatient evaluations, examinations and procedures.

Reference:

Newell. Ophthalmology: Principles and Concepts. Saunders Basic Ophthalmology, 8th edition. American Academy of Ophthalmology

Evaluation Method:

An oral examination and a written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets some of the course objectives.

Department(s): Surgery **SURG**
Course Title Ophthalmology SURG 661h
and Number: (Las Vegas) Section 002

Preceptor(s): Marietta Nelson, MD (2 weeks only)
Kathleen M. Mahon, M.D. and Associates

Length: 2 - 4 weeks

Objectives/Goals:

This course establishes a direct relationship with the surgical patient so that the student will understand the signs and symptoms of disease and trauma; the methods that are useful in diagnosis; the management of these problems in the operating room and on the hospital ward; and the scientific principles relative to the clinical features of these illnesses.

Description of Rotation:

The student will participate in both hospital and outpatient evaluations, examinations and procedures.

Reference:

Newell. Ophthalmology: Principles and Concepts. Saunders.

Evaluation Method:

An oral final examination and a written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Ophthalmology SURG 661h
and Number: (Carson City) Section 004

Preceptor(s): Michael J. Fischer, M.D.

Length: 2-4 weeks

Objectives/Goals:

This course establishes a direct relationship with the surgical patient so that the student will understand the signs and symptoms of disease and trauma; the methods that are useful in diagnosis; the management of these problems in the operating room, on the hospital ward and in the office; and the scientific background relative to the clinical features of these illnesses.

Description of Rotation:

The evaluation and treatment of common eye injuries and diseases. The technique of pre-, intra- and postoperative care of ambulatory surgery patients, with emphasis on oculoplastics, corneal transplants, cataracts with implants, glaucoma and retinal surgery. Basic slit lamp instruction and examination techniques. Basic instruction and use (observation) of argon and yag lasers.

Reference:

Newell. Ophthalmology: Principles and Concepts. Saunders

Evaluation Method:

An oral examination and a written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Orthopedic Surgery **SURG 661j**
and Number: (Reno) **Section 001**

Preceptor(s): Eric Boyden, M.D.
Peter Althausen, M.D.
Timothy Bray, M.D.

Length: 2 - 4 weeks

Objectives/Goals:

The student will learn the fundamentals of evaluation of the musculoskeletal system. This will include history, physical examination, radiographic and other studies. They will learn the general approach to the treatment of musculoskeletal ailments and injuries both with non-surgical and surgical methods and understand the scientific basis behind the treatments.

Description of Rotation:

They will also be exposed to care of the orthopedic patient both in surgery and postoperatively in the hospital. The student will evaluate patients in an outpatient setting, the emergency room and the hospital. They will be active participants in the operative repair of orthopedic disorders.

Reference:

Principles of Surgery. McGraw Hill

Evaluation Method:

Written evaluation by faculty preceptor and the student will give one short presentation on a topic of their interest.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Orthopedic Surgery SURG 661j
and Number: (Las Vegas) Section 002

Preceptor(s): Thomas Vater, D.O.
Richard Wulff, M.D.

Length: 2-4 weeks

Objectives/Goals:

The student will learn the fundamentals of evaluation of the musculoskeletal system. This will include history, physical examination, radiographic and other studies. They will learn the general approach to the treatment of musculoskeletal ailments and injuries both with non-surgical and surgical methods and understand the scientific basis behind the treatments.

Description of Rotation:

The student will evaluate patients in an outpatient setting, the emergency room and the hospital. They will be active participants in the conservative and operative treatment of orthopedic disorders.

Reference:

Schwartz. Principles of Surgery. McGraw Hill

Evaluation Method:

An oral final examination and a written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Otorhinolaryngology SURG 661k
and Number: (Reno) Section 001

Preceptor(s): Anthony C. Zamboni, MD

Length: 2 - 4 weeks

Objectives/Goals:

This course focuses on general principles of otolaryngology, head and neck surgery. Anatomy and pathophysiology are stressed in this rotation.

Description of Rotation:

The majority of the course will be office-based evaluations learning the basic techniques of an otorhinolaryngeal examination. There will also be participation in both the operating room and the hospital care of patients.

Reference:

Schwartz. Principles of Surgery. McGraw Hill

Evaluation Method:

Written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Otorhinolaryngology SURG 661k
and Number: (Las Vegas) Section 002

Preceptor(s): Robert Wang, M.D.
Matthew Ng, M.D.

Length: 2-4 weeks

Objectives/Goals:

This course focuses on general principle of otolaryngology, head and neck surgery. Anatomy and pathophysiology are stressed in this rotation.

Description of Rotation:

The majority of the course will be office-based evaluations learning the basic techniques of an otolaryngeal examination. There will also be participation in both the operating room and the hospital care of patients.

Reference:

Schwartz. Principles of Surgery. McGraw Hill

Evaluation Method:

An oral examination and a written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Plastic Surgery SURG 661m
and Number: (Reno) Section 001

Preceptor(s): Gareth Strand, M.D.

Length: 2-4 weeks

Objectives/Goals:

The student will master the fundamentals of suturing, wound management and the science of wound healing. Apply the pathophysiology of various clinical conditions to patients seen by a plastic surgery practice.

Description of Rotation:

The student will actively participate in office evaluations of patients. This will include both pre- and post-operative examinations. The operative experience will include procedures done on an outpatient and inpatient basis.

Reference:

Grabb and Smith's Plastic Surgery. Lippincott.

Evaluation Method:

An oral examination and a written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Plastic Surgery SURG 661m
and Number: (Las Vegas) Section 002

Preceptor(s): William Zamboni, M.D.

Length: 2-4 weeks

Objectives/Goals:

The student will master the fundamentals of suturing, wound management, cranial facial and hand surgical principles, as well as the science of wound healing. Apply the pathophysiology of various clinical conditions to patients seen in adult and pediatric plastic surgery patients.

Description of Rotation:

The student will actively participate in office evaluations of patients. This will include both pre- and post-operative examinations. The operative experience will include procedures done on an outpatient and inpatient basis.

Reference:

Grabb and Smith's Plastic Surgery. Lippincott.

Evaluation Method:

Written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Pain Medicine SURG 661n
and Number: (Las Vegas) Section 002

Preceptor(s): Department Faculty

Length: 2-4 weeks

Objectives/Goals:

1) Evaluation of pain patients. 2) Recognition of valid vs. invalid signs and symptoms of pain complaints. 3) Proper use of medications. 4) An appreciation for “multidisciplinary” evaluation and treatment. 5) Expose the student to the more invasive techniques of pain medicine.

Description of Rotation:

The student will participate in the daily practice of outpatient and limited inpatient pain medicine. Activities include evaluation of new patients and re-evaluation of established patients. Pain problems include: spine abnormalities (often complicated by multiple back operations and arachnoiditis); reflex sympathetic dystrophy; cancer; post herpetic neuralgia; headaches and others. Treatments include: medication; nerve blocks; implantation of spinal cord stimulators

Reference:

Longnesher. Tinker and Morgan: Principles and Practice of Anesthesiology. Saunders.

Evaluation Method:

Written evaluation by the faculty preceptor

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Critical Care Surgery SURG 661p
and Number: (Las Vegas) Section 002

Preceptor(s): Deborah A. Kuhls, M.D.

Length: 2-4 weeks

Objectives/Goals:

Learn the evaluation techniques of intensive care medicine with the application of the data to specific patient problems. Master the pathophysiology of initial care patients.

Description of Rotation:

Students will function at the sub-intern level on a surgical/ critical care consult service, caring for critically ill trauma and general surgical patients in a multi-disciplinary ICU. Didactic sessions, ICU rounds and patient care activities will concentrate on hemodynamic monitoring and the pathophysiology of O₂ transport, shock and multi-system organ failure. Students will round with faculty. Call can be taken in the Intensive Care Unit or Trauma Resuscitation. Involvement in clinical and lab research must be planned in advance with the course director.

Reference:

Marino, The ICU book.

Evaluation Method:

Written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Trauma Surgery SURG 661q
and Number: (Las Vegas) Section 002

Preceptor(s): Deborah Kuhls, M.D.
John Fildes, M.D.

Length: 2-4 weeks

Objectives/Goals:

The student will master the evaluation, triage and treatment of trauma patients. Emphasis is placed on correlating the pathophysiology of trauma with patient injuries.

Description of Rotation:

The student acts as a liaison between the general surgery and specialty surgical services at UMC trauma unit, coordinating the care of the multiple trauma patients. The student is on call every third night and is involved with trauma patients from initial resuscitation through intra- and post-operative management. Students will round on admitted patients.

Reference:

Schwartz. Principles of Surgery. McGraw Hill

Evaluation Method:

Written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery
Course Title Urology
and Number: (Las Vegas) SURG 661r
Section 002

Preceptor(s): Department Faculty

Length: 2-4 weeks

Objectives/Goals:

Master the fundamentals of urology with emphasis on diagnostic techniques, pathophysiology of disease and patient evaluations.

Description of Rotation:

The student will be exposed to the techniques of office based evaluation of the patient. Additional expertise will be gained from the hospital care of patients with active participation in the operating room.

Reference:

Schwartz. Principles of Surgery. McGraw Hill.

Evaluation Method:

An oral examination and a written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Thoracic Surgery SURG 661s
and Number: (Las Vegas) Section 002

Preceptor(s): Harry Donias, M.D.

Length: 2-4 weeks

Objectives/Goals:

The emphasis is on mastery of basic medical and surgical skills related to care of thoracic surgery patients.

Description of Rotation:

The student will be involved in the diagnosis, preoperative perioperative, and postoperative care of patients with diseases of the lung, esophagus, chest wall, mediastinum, and intrathoracic vasculature. Cardiac dysrhythmias, pacemaker implantation, and associated critical care are addressed as well.

Reference:

1. Thoracic Surgery by F. Griffith Perason, Joel D. Cooper, Jean Deslauriers, Robert J. Ginsberg, Clement A. Heibert, G. Alexander Patterson, Harold C. Urschel

2. General Thoracic Surgery

by Thomas W. Shields, et al (**Hardcover** – October 30, 2004)

3. Felson's Principles of chest Roentgenology: A Programmed Test

by Lawrence R. Goodman, Benjamin Felson (Paperback – March 15, 1999)

4. Cardiac Pacing and ICDs

by Kenneth A. Ellenbogen, Mark A. Wood (Paperback – April 15, 2001)

5. Esophageal Surgery

by F. Griffith Pearson, et al (**Hardcover** – February 1, 2002)

6. Sabiston & Spencer Surgery Of The Chest

by Frank Sellke, et al (**Hardcover** – December 10, 2004)

Evaluation Method:

Written evaluation by the faculty preceptor

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Surgical Critical Care and Pulmonary SURG 661t
and Number: Medicine (Las Vegas) Section 002

Preceptor(s): Deborah A. Kuhls, M.D.
Naresh Singh, M.D.

Length: 4 weeks (2 wks Crit Care, 2 wks Pulm Med)

Objectives/Goals:

The critical care focus will include the acquisition of evaluative skills for critically ill surgical and trauma patients including hemodynamic monitoring and interventions, indications for intubation, ventilator management, extubation decision-making, diagnosis and management of shock and multi-system organ failure. ICU procedures are emphasized. The goals of the pulmonary portion of this rotation will include knowledge of basic pulmonary diseases and the natural course of each disease. An understanding of the indications to order tests, as well as the interpretation and clinical decision making relative to test results including arterial blood gases, pulmonary function tests (PFTs), CT scans and other tests is required.

Description of Rotation:

Both portions of this rotation include daily rounds with attending physician as well as didactic lectures. The pulmonary portion will include an ambulatory clinic experience. Students will function at the sub-intern level. In-house call during surgical critical care portion of rotation.

Reference:

The ICU Book, Marino; Surgery, Greenfield; Murray's Textbook of Respiratory Medicine, 2nd Edition; Rippe's Intensive Care Medicine, 3rd Edition; Harrison's Principles of Internal Medicine, 15th Edition, 2001.

Evaluation Method:

Written evaluation by both preceptors and other faculty who round with student.

Grade:

Honors/High Pass/Pass/Marginal/Fail

Department(s): Surgery **SURG**
Course Title Transplantation Surgery SURG 661u
and Number: (Las Vegas) Section 002

Preceptor(s): Department Faculty

Length: 2-4 weeks

Objectives/Goals:

Learn the pathophysiology of transplant medicine and surgery with emphasis placed on the renal system.

Description of Rotation:

Learn the pathophysiology of transplant medicine and surgery with emphasis Placed on the renal system.

Reference:

Schwartz. Principles of Surgery. McGraw Hill.

Evaluation Method:

Written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objective.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Vascular Surgery SURG 661w
and Number: (Reno) Section 001

Preceptor(s): VA Medical Center

Length: 2-4 weeks

Objectives/Goals:

Upon completion of this course, the student should have an understanding of the principles of vascular surgery which include specific testing and indications for surgery and its role in the overall care of vascular surgery patients.

Description of Rotation:

The student will participate in all aspects of patient's care: pre-operation evaluation including vascular studies, intra-operative repair and post-operative care. The student will follow specific patients with appropriate history and physical exams and daily notes. The student will be an active participant in the operating room.

Reference:

Rutherford, Vascular Surgery. Winders.

Evaluation Method:

Written evaluation by the faculty preceptor

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Vascular Surgery SURG 661w
and Number: (Las Vegas) Section 002

Preceptor(s): Kenneth McIntyre, M.D.

Length: 2-4 weeks

Objectives/Goals:

Upon completion of this course, the student should have an understanding of the principles of vascular surgery which include specific testing and indications for surgery and its role in the overall care of vascular surgery patients.

Description of Rotation:

The student will participate in all aspects of patient's care: pre-operation evaluation including vascular studies, intra-operative repair and post-operative care. The student will follow specific patients with appropriate history and physical exams and daily notes. The student will be an active participant in the operating room.

Reference:

Rutherford, Vascular Surgery. Winders.

Evaluation Method:

Written evaluation by the faculty preceptor.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Microsurgery **SURG 661x**
and Number: (Las Vegas) **Section 002**

Preceptor(s): William Zamboni, M.D.

Length: 2 weeks

Objectives/Goals:

1) To become familiar with microsurgical instruments, technique, principles and the workings of the operating microscope. 2) To learn how to perform anastomosis of simulated artery and vein followed by live animal surgery.

Description of Rotation:

Use of invitro and invivo formats to learn the skill of microsurgery. This hands-on experience is a non-clinical course.

Reference:

Grabb and Smith's Plastic Surgery. Lippincott.

Evaluation Method:

Written evaluation by the faculty preceptor

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Microsurgery & Hyperbaric Research SURG 661y
and Number: (Las Vegas) Section 002

Preceptor(s): William Zamboni, M.D.

Length: 4-8 weeks

Objectives/Goals:

1) To become familiar with a basic science research laboratory and the equipment necessary to carry out research projects 2) to become familiar with writing a research protocol including: hypothesis, objectives, methods, expected results and conclusions 3) to become familiar with collection of data and statistical analysis.

Description of Rotation:

The student will participate in an active research project using microsurgery and/or hyperbaric animal models. The student will write an abstract and potentially a manuscript summarizing the results of the laboratory research with possible submission to a medical journal.

Reference:

Grabb and Smith's Plastic Surgery. Lippinott.

Evaluation Method:

Written evaluation by the faculty preceptor and critique of the final abstract.

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.

Department(s): Surgery **SURG**
Course Title Independent Study/Research **SURG 690**
and Number: (Las Vegas) **Section 002**

Preceptor(s): Deborah Kuhls, M.D.

Length: 2 - 8 weeks

Objectives/Goals:

Choose within several options within this flexible elective: Mastery of a specific topic in surgery which exceeds the knowledge gained from required rotations expected.

Description of Rotation:

Intensive study of a special problem related to surgery, which may include clinical or basic science research project. A written summary of the topic or a paper reporting research results must be submitted at the end of the course. Please contact Dr. Kuhls for a listing of possible research preceptors.

Reference:

To be determined by the faculty preceptor based upon the topic chosen for study.

Evaluation Method:

Written evaluation by the faculty preceptor

Grade:

Honors: An exceptional performance which exceeds all course objectives.

High Pass: A performance which exceeds all course objectives.

Pass: A performance which meets the course objectives.

Marginal: A performance which only partially meets the course objectives.

Failure: A performance which meets none of the course objectives.