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MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of surgical patients.

PGY 1 Residents:
- Analyze and understand the contents from major surgical textbooks: Sabiston Textbook 17th Edition and J. P. O'Leary 3rd Edition over the course of the year
- Attend and actively discuss readings in the Basic Science Didactic Reading Program
- Use the atlases to understand the approach to basic sciences
- Attend and actively participate in the Resident Competency Program sessions related to Medical Knowledge the Science of Learning, Online Medical Databases, and The Anatomy of a Research Article
- Describe the pathophysiology applied to surgical diseases
- Demonstrate knowledge of normal and distributed physiology causing surgical diseases
- Apply physiological knowledge to the clinical and operative management of surgical diseases
- Apply investigatory, analytical, and evidence-based approaches to clinical decision making
- Complete the American Board of Surgery In-Training Examination once a year

PGY 2 Residents:
- Master the complete content of major surgical textbooks: Sabiston Textbook 17th Edition J.P. O’Leary 3rd Edition and expand on procedures learned in the atlases
- Attend and actively participate in the Basic Science Didactic Reading Program
- Formulate diagnostic treatment plans with thorough understanding of the basic science principles applicable to surgery
- Read, understand and analyze classic articles on surgical cases
- Understand the pathophysiology applied to surgical diseases
- Demonstrate knowledge of normal and distributed physiology causing surgical diseases
- Apply physiological knowledge to the clinical and operative management of surgical diseases
- Apply investigatory, analytical, and evidence-based approaches to clinical decision making
- Understand the concepts of complex wound care
- Complete American Board of Surgery In-Training Examination once a year

PGY 3 Residents:
- Acquire thorough understanding of abdominal procedures
- Demonstrate an understanding of the anatomy, physiology, and pathophysiology and presentations of diseases of the abdominal cavity and pelvis
- Demonstrate an understanding of the physiology of wound healing
- Apply knowledge of anatomy to the diagnosis and treatment of patients, both in and out of the operating room
- Demonstrate knowledge of the principles associated with the diagnosis and management of critically ill patients including multiple organ system normality’s and abnormalities
- Attend and actively participate in the Critical Care Didactic Reading Program
MEDICAL KNOWLEDGE Continued

GOAL: The resident will achieve detailed knowledge of the evaluation and management of surgical patients

PGY 3 Residents Continued

- Read an entire text related to critical care surgery: ACS Surgery, Principles and Practice, Wilmore et al, Eds. WebMD, 2005
- Systematically read and analyze basic surgical literature
- Conduct in depth reading on surgical cases
- Attend and actively participate in the Surgical Anatomy Cadaver Course
- Complete course work and testing to obtain Basic and Advanced Cardiac Life Support and Fundamental Critical Care Support along with Advanced Trauma Life Support certification
- Complete American Board of Surgery In-Training Examination

PGY 4 Residents:

- Demonstrate competence in treating surgical diseases with a thorough understanding of pathophysiology
- Define and describe the anatomic aspects of even the most complex general surgical operations (abdominoperineal aneurysm, Whipple procedure, pneumonectomy, liver resections etc.)
- Demonstrate an understanding of the physiology of wound healing
- Apply knowledge of anatomy to the diagnosis and treatment of patients, both in and out of the operating room
- Demonstrate knowledge of the principles associated with the diagnosis and management of critically ill patients including multiple organ system normality's and abnormalities
- Attend and actively participate in the Critical Care Didactic Reading Program
- Systematically read and analyze basic surgical literature
- Conduct in depth reading on surgical cases
- Attend and actively participate in the Surgical Anatomy Cadaver Course
- Attend and actively participate in Critical Care Didactic Reading Program
- Be adept at critical care knowledge
- Understand the “limits” of surgical treatment
- Demonstrate medical knowledge and clinical perspectives at conferences by making presentations at conferences
- Complete American Board of Surgery In-Training Examination once a year

PGY 5 Residents:

- Master basic science, critical care principles, anatomy, pathophysiology and operative strategies and procedures
- Demonstrate a thorough understanding of surgical pathophysiology in order to achieve optimal chance of recovery for the patient with minimal morbidity
- Demonstrate evidence of medical knowledge and clinical perspectives by conducting presentations at conferences
- Systematically read and analyze basic surgical literature
- Complete American Board of Surgery In-Training Examination
PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1 Residents:

- Acquire self-confidence and the ability to develop differential diagnoses and management plans through history and physical examination
- Perform pre and post operative care of patients with the basic understanding of pathophysiology as applied to surgical diseases
- Understand the principles involved in operations, handling of tissues, dissection of tissues planes, suture-ligature techniques and masters "simple" operative procedures
- Master techniques of using and placing Ngs, Foley's, IVs, CVPs, arterial lines, and standard aseptic techniques
- Demonstrate initial management of life threatening surgical illnesses and be adept at resuscitation
- Demonstrate good judgment, safety, and effective technical skills in operative cases
- Attend and actively participate in the Resident Competency Program Sessions on Consent, Surrogacy and the Dying Patient, Palliative Care and End of Life Issues, Culturally Congruent Care and Medical Ethics

PGY 2 Residents:

- Demonstrate responsibility for overall patient care and continue to develop operative skills
- Demonstrate proficiency in emergency room diagnosis and treatment for surgical diseases, including mastery of acute abdomen evaluation
- Be adept at patient care and demonstrate proficiency at triage
- Understand complex operative procedures; fine tune operative skills
- Formulate diagnostic and treatment plans applicable to surgery
- Perform independently the placement of Hickman catheters, Swan Ganz catheters, chest tubes, Conduct advanced CPR, routine ICU patients TPN ventilators
- Demonstrates good judgment, safety, and effective technical skills in operative cases

PGY 3 Residents:

- Be adept at endoscopic procedures and surgical intensive care
- Perform complex operative procedures and acquire a thorough understanding of abdominal surgery
- Perform overall evaluation and management of surgical patients
- Be able to outline pre, intra and post-operative treatment plans in detail
- Demonstrate a thorough understanding of operative indications and contraindications
- Demonstrate good judgment, safety, and effective technical skills in operative cases

PGY 4 Residents:

- Demonstrate independence in the evaluation and management of all aspects of patient care
- Be proficient at treating surgical diseases and handling standard operative procedures with a through understanding of surgical pathophysiology
- Understand the social and economic needs of patients; demonstrate good understanding of ethical dilemmas
- Demonstrate good judgment, safety, and effective technical skills in operative cases
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 5 Residents:

- Perform difficult surgical procedures continue to fine tune surgical skills both in and out of the operating room
- Understand surgical pathophysiology and therapeutic support systems in order to achieve optimal recovery for the patient with limit morbidity
- Perform non-standard, or counter example cases; consider exceptions
- Demonstrate good judgment, safety, and effective technical skills in operative cases

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1 Residents:

- Interact with peers regarding operative cases and provide feedback about the scientific literature at the Basic Science Didactic Reading program
- Listen to patients and their families
- Gather essential information from patients; document patient encounters accurately and completely
- Demonstrate effective communication strategies to interact with patients and families from diverse backgrounds
- Attend and actively participate in the Resident Competency Program sessions on Communication and Breaking Bad News, Conflict Management and Person Centered Care
- Provide therapeutic relationships with patients using effective listening skills and candid feedback
- Educate patients and their families about the pre-and post operative care of the surgical patient
- Respond promptly and considerately to requests of attending physicians and staff
- Demonstrate effective interpersonal skills with patients, their families and health professionals
- Write orders and progress reports in a coherent legible format

PGY 2 Residents:

- Interact with peers regarding operative cases and provide feedback about the scientific literature at the Basic Science Didactic Reading program
- Gather essential information from patients; document patient encounters accurately and completely
- Provide therapeutic relationships with patients using effective listening skills and candid feedback
- Educate patients and their families about the pre-and post operative care of the surgical patient
- Respond promptly and considerately to requests of attending physicians and staff
- Write orders and progress notes in a coherent legible format
- Interact cooperatively with patients, families, nurses, and other health care professionals to achieve the health-related goals of the patient
- Acknowledge the contributions of other team members
INTERPERSONAL AND COMMUNICATION SKILLS continued

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates

PGY 3 Residents:

- Interact with peers about operative cases and provide feedback about the scientific literature at the Critical Care Didactic Reading program
- Demonstrate professional competence in working as a team member
- Interact, present information, and teach other members of the health-care team
- Write orders and progress notes in a coherent legible format
- Interact cooperatively with patients, families, nurses, and other health care professionals to achieve the health-related goals of the patient
- Provide essential information from patients; document patient encounters accurately and completely
- Provide therapeutic relationships with patients using effective listening skills and candid feedback
- Educate patients and their families about the pre-and post operative care

PGY 4 Residents:

- Interact as a lead member of the health-care team
- Be highly proficient in interacting with patients, families, nurses, and other health care professionals to achieve the health related goals of the patient
- Develop therapeutic relationships with patients using effective listening skills and candid feedback
- Educate patients and their families about the pre-and post operative care
- Gather essential information from patients; document encounters accurately and completely
- Write orders and progress notes in a coherent legible format
- Conduct case presentations at conferences and demonstrate clinical perspective

PGY 5 Residents:

- Interact as a lead member of the health-care team
- Be highly proficient in interacting with patients, families, nurses, and other health care professionals to achieve the health related goals of the patient
- Develop therapeutic relationships with patients using effective listening skills and candid feedback
- Educate patients and their families about the pre-and post operative care of the surgical patient
- Gather essential information from patients; document encounters accurately and completely
- Write orders and progress notes in a coherent legible format
- Conduct presentations at conferences and demonstrate clinical perspective

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1 Residents:

- Understand and use the chain of command on the resident service
- Respond and answer pages promptly
- Attend and actively participate in the Resident Competency Program Sessions on Professionalism, Medical Ethics, and Billing and Coding of Operative Logs
PROFESSIONALISM Continued

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1 Residents Continued:

- Apply time management principles as necessary to be accountable to patients, and other health care professionals
- Be respectful and responsive to the needs of patients
- Demonstrate a commitment to ethical principles, maintain confidentiality of patient information, informed consent, and other business practices
- Complete operative case logs and medical reports in a timely manner

PGY 2 Residents:

- Be respectful and responsive to the needs of patients
- Demonstrate ethical principles, maintain confidentiality of patient information, informed consent, and other business practices
- Apply time management principles as necessary to be accountable to patients, and other health care professionals
- Know the chain of command on the resident service
- Respond and answer pages promptly
- Display tolerance to other’s opinion
- Accept responsibility for one’s own actions
- Complete operative case logs and medical reports in a timely manner

PGY 3 Residents:

- Demonstrate a high standard of personal conduct, be respectful and responsive to the needs of patients
- Demonstrate ethical principles, maintain confidentiality of patient information, informed consent, and other business practices
- Apply time management principles as necessary to be accountable to patients, and other health care professionals
- Respond and answer pages promptly
- Display tolerance to other’s opinion
- Accept responsibility for one’s own actions
- Complete operative case logs and medical reports in a timely manner

PGY 4 Residents:

- Demonstrate a high standard of personal conduct, be respectful and responsive to the needs of patients
- Demonstrate ethical principles, maintain confidentiality of patient information, informed consent, and other business practices
- Apply time management principles as necessary to be accountable to patients, and other health care professionals
- Coordinate and manage a resident service so as to lead and guide more junior residents
- Respond and answer pages promptly
- Display tolerance to other’s opinion
- Accept responsibility for one’s own actions
- Complete operative case logs and medical reports in a timely manner
- Conduct case presentations at conferences to demonstrate professional leadership skills, medical knowledge, and clinical perspective
PROFESSIONALISM Continued

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 5 Residents:

- Demonstrate a high standard of personal conduct, is respectful and responsive to the needs of patients
- Demonstrate ethical principles, maintain confidentiality of patient information, informed consent, and other business practices
- Apply time management principles as necessary to be accountable to patients, and other health care professionals
- Display proficiency in managing a major resident services with greater independence
- Demonstrate accountability for all actions and outcomes on the service with appropriate supervision and consultation by attending physicians
- Respond and answer pages promptly
- Display tolerance to other's opinion
- Accept responsibility for one's own actions
- Complete operative case logs and medical reports in a timely manner
- Conduct case presentations at conferences to demonstrate professional leadership skills, medical knowledge, and clinical perspective

PRACTICE BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:

- Analyze, critique and review surgical literature as it applies to evidence-based medicine
- Complete the Resident Self-Assessment three times a year to evaluate one's own performance in the six core competencies
- Assess annual ABSITE scores to develop an individual study plan as necessary
- Use information technology to access medical literature and select treatment strategies
- Use computer technology, simulations and other multimedia resources to increase medical knowledge and operative skills
- Attend and actively participate in didactic presentations such as the Basic Science Reading program, journal club etc.
- Attend and actively participate in the Resident Competency Program Session on Personal Awareness / Self Care and Effective Teamwork
- Teach and be a role model for medical students

PGY 2 Residents:

- Complete the Resident Self-Assessment three times a year to evaluate one’s own performance in the six core competencies
- Teach and be a role model for medical students
- Analyze, critique and review surgical literature as it applies to evidence-based medicine
- Assess annual ABSITE scores to develop an individual study plan as necessary
- Use information technology to access medical literature and select treatment strategies
- Use computer technology, simulations and other multimedia resources to increase medical knowledge and operative skills
- Attend and actively participate in the Basic Science Reading program, journal club etc
PRACTICE BASED LEARNING AND IMPROVEMENT Continued

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 3 Residents:
- Demonstrate proficiency at teaching and being a role model for medical students
- Complete the Resident Self-Assessment three times a year to evaluate one’s own performance in the six core competencies
- Assess annual ABSITE scores and develop an individual study plan as necessary
- Use information technology to access medical literature and select treatment strategies
- Use computer technology, simulations and other multimedia resources to increase medical knowledge and operative skills
- Attend and actively participate in the Critical Care Reading program, journal club etc.

PGY 4 Residents:
- Be highly proficient at teaching junior residents and medical students
- Demonstrate leadership and practice management by organizing and running a resident service
- Complete the Resident Self-Assessment three times a year to evaluate strengths and weakness in the six core competencies
- Review annual ABSITE scores and develop individual study plan as necessary
- Use information technology to access medical literature and select treatment strategies
- Use computer technology, simulations and other multimedia resources to increase medical knowledge and operative skills
- Conduct case presentations at conferences to demonstrate evidence of clinical perspective and medical knowledge (Mortality and Morbidity Conference etc)
- Participate in clinical research (Optional: Only for Residents on a Research Track Rotation)

PGY 5 Residents:
- Be highly proficient at teaching junior residents and medical students
- Demonstrate leadership and management skills by coordinating and running a major resident service with greater independence; be accountable for all actions on the service with consultation and supervision by attending physicians
- Understand one’s own clinical limitations and limitations of surgery in general
- Complete the Resident Self-Assessment three times a year to evaluate one’s own performance in the six core competencies
- Assess annual ABSITE scores and develop an individual study plan as necessary
- Use information technology to access medical literature and select treatment strategies
- Use computer technology, simulations and other multimedia resources to increase medical knowledge and operative skills
- Present cases at conferences to demonstrate evidence of clinical perspective and medical knowledge (Re: Mortality and Morbidity Conference)
- Engage in clinical research (Re: Optional: Residents on a Research Track Rotation)
SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1 Residents:

- Attend and actively participate in the Resident Competency Program Sessions on Systems-Based Practice, HMO’s, Medicaid and Medicare Insurance Practices, and Billing and Coding Procedures
- Consult with other members of the health care team to proved cost-efficient health care for patients
- Apply cost-effective care in ordering tests and planning interventions
- Provide consultations for other services

PGY 2 Residents:

- Consult with other members of the healthcare team to provide cost-efficient health care for patients
- Apply cost-effective care in ordering tests and planning interventions
- Provide consultations for other services
- Describe the therapeutic support systems necessary to achieve optimal chance of recovery for the patient
- Practice overall patient management both in and out of the operating room

PGY 3 - 5 Residents:

- Apply efficient and informative consultations for other services
- Consult with other members of the healthcare team to provide cost-efficient health care for patients
- Apply cost-effective care when ordering tests and planning interventions
- Describe the therapeutic support systems necessary to achieve optimal chance of recovery for patients
- Practice overall patient management both in and out of the operating room

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General Surgery Residency Program  
Competency-Based Goals and Objectives  
Harper A Rotation-General Surgery

Academic year: 2008-2009  
Site Location: Harper Hospital, 3990 John R Street, Detroit, MI. 48201  
Division Chief/Chair: Donald Weaver, M.D.  
Assigned Residents: PGY 1, 2, 3, and 5  
Length of Rotation: PGY 1 Residents = 4 weeks; PGY 2-5 Residents = 6-8 weeks

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MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of evaluation and management of surgical patients as it relates to abdominal, head and neck, oncologic and bariatric surgery.

PGY 1 and 2 Residents:

- Describe cardiovascular physiology, resuscitation following major abdominal surgery, gastrointestinal physiology, knowledge of coagulation, micro flora of GI tract, appropriate use of antibiotics.

PGY 3 Residents:

- Understand complications related to surgical procedures and how to test for them
- Demonstrate mastery of abdominal, thoracic and head and neck anatomy
- Demonstrate thorough knowledge of surgical principles including maintaining blood supply; tension-free suturing, proper care and handling of tissue
- Describe laparoscopy principles and applications; be proficient in multidisciplinary care of oncologic and bariatric patients

PGY 5 Residents:

- Describe, evaluate and understand the indication for surgical procedures and be able to defend choice of procedure
- Recognize the limitations of surgical procedures and when not to operate

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1 and 2 Residents:

- Perform comprehensive history and physical examinations including examination of abdomen, especially, acute abdomen. Inform and explain to patient and family the results of tests done in the hospital including laboratory tests and x-rays
- Master the techniques of basic suturing and tying. Master the use of computerized information services including ability to plot trends in lab values over time.
- Master the sterile techniques in the operating room and on the floor while maintaining universal precautions
- Demonstrate and apply pain management procedures including V.A.S., and methods of post-op pain control
- Demonstrate the ability to benchmark cases: I&D; Hickman; excision lymph node
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 3 Residents:

- Master the techniques of endoscopy and basic laparoscopy including cholecystectomy
- Assess surgical considerations independently particularly, cases which arise in the ESRD population (e.g. secondary/tertiary)
- Apply patient care practices as it relates to critically ill patients in the ICU; conduct ventilator management, shock management, use of pressors; ability to place Swan-Ganz catheter and demonstrate proper use of the information obtained from them
- Master hernia repair; mastectomy; colectomy; exploratory laparotomy; closure of abdominal incisions
- Describe and understand the types of suture material and its use in various settings
- Describe and understand the types of available mesh for use with hernia repair

PGY 5 Residents:

- Demonstrate mastery of all basic and common surgical procedures
- Recognize complex laparoscopy procedures of the pancreas; liver; esophagus; and biliary tree
- Demonstrate the ability to bench mark cases: colectomy, lap hernia repair

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1 and 2 Residents:

- Demonstrate to attending staff the ability to take problem-oriented history in outpatient clinic and ethically manage patient confidential information and medical record according to HIPPA standards.

PGY 3 Residents:

- Coordinate and facilitate the interaction between resident team and medical students
- Demonstrate the ability to teach basic surgical techniques

PGY 5 Residents:

- Lead team on rounds on a daily basis
- Be adept at the timely and efficient deployment of the resident team to maximize learning opportunities
- Demonstrate ability to assess medical students performance and give feedback for improved learning
- Teach more complex procedures and assessment to other residents
PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1 and 2 Residents:
- Demonstrate appropriate dress and decorum while on duty; conversations in public places to be free of patient information. Respond to criticism and correction with calm and attentive demeanor

PGY 3 Residents:
- Demonstrate ability to listen to patient complaints and offer compassionate solutions
- Display leadership to medical students and younger residents in being sensitive to patient confidential needs

PGY 5 Residents:
- Demonstrate ethical concern for the particular needs of all patients-including sensitivity to religious concerns, racial differences and care of the poor
- Demonstrate leadership by acting as a role model to other residents
- Apply ethical principles, respect patient confidentiality

PRACTICE BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices

PGY 1, 2, and 3 Residents:
- Be adept at reading and critically analyze standard surgical textbooks.
- Use Pub-Med, Med-Line and other online search engines to find
- Apply information from medical literature in the care of patients; this includes ability to assess statistical validity of published studies.

PGY 5 Residents:
- Conduct case presentations at mortality/morbidity conferences, which includes review of surgical literature and the integration of that information into specific patient cases
- Recognize department morbidities and mortalities as a member of Department of Surgery Mortality and Morbidity Committee
- Be adept at current literature to assess proper dispensation of care

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1 and 2 Residents:
- Recognize the differences between PPO’s HMO’s and standard medical insurance and the different requirements for authorizations needed for hospital admissions and operations. Select appropriate medical procedures based on cost-effectiveness and risk to patient
SYSTEMS-BASED PRACTICE Continued

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 3 Residents:

- Recognize and understand the relative costs of surgical procedures
- Demonstrate proficiency at using ancillary services to facilitate transferring the patient in a cost saving way through the in-and-outpatient system

PGY 5 Residents:

- Recognize and be familiar with different medical insurances
- Understand the importance in using the ICD-9 Codes/CPT Codes
- Demonstrate and apply proper and accurate reporting of surgical procedures in the operative record
- Describe ethical coding and billing for surgical procedures
General Surgery Residency Program
Goals and Objectives
Breast Rotation-Harper Hospital

Academic year: 2008-2009
Site Location: Harper Hospital, 3990 John R Street, Detroit, MI. 48201
Faculty Preceptors: Shannon Bongers, M.D.; Cassann Blake, M.D.; Mary Ann Kosir, M.D.
Assigned Residents: PGY 2
Length of Rotation: 6-8 weeks

MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the breast patient.

PGY 2 Residents:
- Systematic reading and the ability to answer questions on a selected series of about 15 recent articles on breast disease that covers topics not satisfactorily addressed in textbooks
- Describe radiological assisted biopsy techniques
- Discuss the evaluation, diagnosis, and surgical care of the breast mass
- Discuss the pre-operative staging of breast cancer
- Recite the screening for breast cancer
- Discuss the genetic predisposition to breast cancer and prophylactic mastectomy

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical breast patient.

PGY 2 Residents:
- Conduct a thorough focused history of women with breast problems including recognition of unarticulated psychological concerns
- Perform an accurate breast examination
- Recognize the personal and social problems associated with breast cancer; learn methods of lending support to patients
- Assess and apply a logical plan of management for a variety of breast lesions
- Demonstrate operative technical ability in operating on breast lesions, including localized biopsies and mastectomies

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 2 Residents:
- Demonstrate to the attending staff the ability to take a focused history on women with breast problems
- Manage the patient’s confidential information and medical records according to HIPPA standards
PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 2 Residents:

- Demonstrate appropriate dress and decorum while on duty; conversations in public places to be free of patient information. Respond to criticism and correction with calm and attentive demeanor.

PRACTICE BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 2 Residents:

- Interpret mammograms with reasonable facility
- Assess and development a logical plan of management for a variety of breast lesions
- Observe patients undergoing chemotherapy

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 2 Residents:

- Observe and plan for radiotherapy and actual treatment of patients
- Observe and discuss chemotherapy treatment and the problems involved with chemotherapy nurses
General Surgery Residency Program
Goals and Objectives
Transplant -Vascular Surgery - Harper University Hospital

Academic year: 2008-2009
Site Location: Harper Hospital, 3990 John R Street, Detroit, MI. 48201
Division Chief: Scott Gruber, M.D., / O. William Brown, M.D.
Assigned Trainees: PGY 1, and 3 Residents; Vascular Surgery Fellows
Length of Rotation: PGY 1 Residents = 4 weeks; PGY 3 Residents = 6-8 weeks

MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of transplant and vascular patients.

Transplant: PGY 1 Residents:

• Understand the fundamental principles of organ transplantation and immunosuppression, including mechanisms of allograft rejection, basic histocompatibility, and the mechanisms of action, pharmacokinetics, and side effects of the immunosuppressive drugs
• Understand the pathophysiology of renal failure and implications for the surgeon in dealing with uremic patients. This includes principles of fluid management, dialysis access, and management of associated diseases such as secondary/tertiary hyperparathyroidism

Transplant: PGY 3 Residents:

• Understand general strategies of induction and maintenance immunosuppression and the different options available
• Understand management of transplant complications in more detail, including delayed graft function, acute/chronic rejection, CMV infection, bacterial/fungal infection, drug-induced nephrotoxicity, myelosuppression, diabetes, hypertension, and hyperlipidemia
• Understand the key elements of pretransplant evaluation of both living kidney donors and potential renal and pancreas allograft recipients
• Understand risk factors for development of acute rejection and for decreased patient and graft survival in renal and pancreas transplantation

Vascular: PGY 1&3 Residents:

• Describe the basic anatomy and physiology of the vascular system
• Describe the clinical manifestations of the following vascular disorders: obstructive arterial disease, aneurysmal arterial disease, thromboembolic disease, chronic venous insufficiency and lymphatic obstruction, portal hypertension, congenital vascular disease
• Discuss the principles of non-invasive laboratory diagnosis; know the distinction of the role and limitation of the vascular laboratory
• Discuss the principles of the Doppler ultrasound in preparation for performing bedside arterial and venous Doppler testing
• Discuss the principles of care for ischemic limbs
• Identify the homodynamic and pathophysiology of claudication, transient ischemic attack, stroke, mesenteric angina, angina pectoris, renovascular hypertension and arteriovenous fistula
PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of transplant and vascular patients.

**Transplant: PGY 1 Residents:**

Perform all of the following on renal failure patients undergoing general surgical or dialysis access procedures; renal and pancreas transplant candidates; and renal and pancreas transplant recipients:

- Gather information to take complete and accurate history and physical examination
- Write accurate and complete pre- and post-operative orders
- Carry out detailed management plans discussed at combined transplant surgery/transplant nephrology twice-daily inpatient rounds
- See recent postoperative renal and pancreas transplant recipients in the outpatient clinic with transplant surgery attending
- Perform percutaneous central venous catheter and dialysis access placement independently; place and remove peritoneal dialysis catheters with assistance

**Transplant: PGY 3 Residents:**

- Independently assess surgical considerations which arise in the ESRD population (e.g. secondary/tertiary hyperparathyroidism, pericarditis, catheter-induced peritonitis, etc.)
- Participate in the elective as well as the urgent/emergent decision-making relating to need for surgical intervention and/or diagnostic work-up in the renal failure and immunosuppressed transplant patient
- Be comfortable with postoperative fluid management of the renal failure patient or the freshly-transplanted patient with immediate or delayed graft function
- Perform each of the following procedures with assistance: place/create AV grafts and fistulas; thrombectomy/revision of dialysis access grafts; construct a vascular anastomosis; deceased-donor nephrectomy; and general surgical procedures on patients with ESRD or renal/pancreas transplants

**Vascular: PGY 1& 3 Residents:**

- Evaluate the patients for vascular disease
- Assess patients’ vascular systems using appropriate skills in history-taking and clinical examination
- Demonstrate skill in basic surgical techniques, including knot tying, exposure and retraction, knowledge of instrumentation, incisions, closure of incisions and handling of graft material
- Perform the preoperative assessment and postoperative care of patients undergoing major vascular surgical procedures
- Apply appropriate vascular suture techniques
- Participate in surgery for varicose vein disease
- Participate in amputation with specific attention to demarcation levels and control of toxicity
- Demonstrate competence in using the vascular clamp or vessel loop to obtain vascular control of diseased or traumatically occluded blood vessels
- Participate in thromboendarterectomy and thrombectomy
INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

Transplant: PGY 1 Residents:

- Understand renal failure and transplant-specific issues, including support system, compliance, and requirement for immunosuppressive drugs when communicating with patients and their families
- Work with the nurses, transplant social workers, post-transplant coordinators, and clinical transplant pharmacist to counsel and educate patients and understand the discharge planning process

Transplant: PGY 3 Residents:

- Work with consultants from transplant nephrology, infectious disease, cardiology, gastroenterology, urology, and hematology/coagulation to obtain essential information and coordinate the complex care of renal failure and transplant patients

Vascular: PGY1&3 Residents:

- Give information and progress report to patients and family members
- Develop and apply effective communication strategies to interact with patients and families from a diverse background
- Educate and counsel patients on the service
- Gather essential information from patients; and accurately document patient encounters
- Interact with nurses, residents, attending surgeons, and ancillary staff to achieve the health-related goals of the patient

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

Transplant: PGY 1 & 3 Residents:

- Understand the ethical principles behind dealing with informed consent and family/group dynamics in a living-donor renal transplant
- Understand cultural differences among patient populations, including African-American; Arabic; and Caucasian patients
- Recognize the meticulous attention to detail and commitment to excellence that is required for successful outcomes in renal and pancreas transplantation

Vascular: PGY 1 & 3 Residents:

- Demonstrate appropriate dress and decorum while on duty; conversations in public places to be free of patient information. Respond to criticism and correction with calm and attentive demeanor
- Use and know the chain of command on the resident service
- Relate as a team member with other residents from other departments
PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

Transplant: PGY 1 Residents:

- Review transplant textbooks and pertinent literature pertaining to care of patients on the inpatient service
- Assimilate material from weekly transplant teaching conference, including journal club, biopsy review, complications conference, and guest lectures on various transplant topics
- Understand the uniqueness of and particular challenges regarding the transplant population at Harper University Hospital (African-American; hepatitis C positivity; long time on dialysis before transplantation)

Transplant: PGY 3 Residents:

- Review pertinent transplant and renal failure literature when presenting cases at weekly complications conference
- Understand use of cutting-edge immunosuppressive protocols for steroid avoidance and transplantation of the HIV+ recipient

Vascular: PGY 1 & 3 Residents:

- Conduct the daily management of patients in the units
- Describe and apply ICU techniques (radial catheters, Swan Ganz) under supervision and the management of critically ill patients
- Understand how to read radiographs of chest and abdomen, arteriogram, CT, MRA
- Develop surgical technical ability to do Mi-grade vascular operations
- Recognize and understand how to monitor thrombolytic therapy
- Demonstrate proficiency in venous access procedures

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

Transplant: PGY 1 Residents:

- Understand the indications for and appropriate ordering of laboratory and radiographic studies

Transplant: PGY 3 Residents:

- Understand the drive towards keeping length of stay at a minimum, even when caring for a complex group of patients with multiple medical problems

Vascular: PGY 1 & 3 Residents:

- Interact with other services and support personnel and efficiently utilize their expertise
- Review the costs associated with providing surgical care to patients with vascular disorders

**VASCULAR SURGERY FELLOWS**
Performance of deceased-donor renal and pancreas transplants along with attending transplant surgeon, including bench work preparation of organs; dissection in recipient and preparation for implantation; arterial and venous anastomoses; and extravesical ureteroneocystostomy (kidney) and duodenojejunostomy (pancreas)
General Surgery Residency Program
Goals and Objectives
Harper C Rotation-General Surgery

Academic year: 2008-2009
Site Location: Harper Hospital, 3990 John R Street, Detroit, MI. 4820
Division Chief(s): Charles Lucas, M.D.; Anna Ledgerwood, M.D.
Assigned Residents: PGY 1, 2, and 5
Length of Rotation: PGY 1 Residents = 4 weeks; PGY 2 and 5 Residents = 6-8 weeks

MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the surgical patient.

PGY 1 Residents:
- Identify the materials presented in routine surgical text about the care of simple, elective surgical problems

PGY 2 Residents:
- Understand the contents of the standard surgical text quite well and be familiar with some of the common surgical journals as it relates to diseases and the evaluation and treatment of patients

PGY 5 Residents:
- Be adept at reading surgical journals as it relates to the diseases being treated on the service
- Be adept at systematically reading the current literature within the surgical journals and be able to impart knowledge of the surgical literature to teach the younger members of the team

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1 Residents:
- Diagnosis and treat routine surgical problems
- Conduct routine preoperative and postoperative patient care

PGY 2 Residents:
- Conduct patient care for more complicated surgical problems including the care of some patients in the critical care unit
- Describe simple surgical procedures, such as the removal of small lesions and hernia repair
PATIENT CARE continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 5 Residents:

- Supervise the care of critically ill patients
- Participate in complex operative procedures including colectomies and gastrectomies
- Participate in complicated intraoperative procedure such as whipples, total gastrectomies, enterocutaneous fistulae and retroperitoneal sarcomas
- Demonstrate leadership and patient management skills by being a resource for complicated critical care problems

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1, 2, and 5 Residents:

- Develop and apply effective communication strategies to effectively interact with critically ill patients and their families
- Educate and counsel patients on the service
- Gather essential information from patients; and accurately document patient encounters
- Interact with nurses, residents, attending surgeons, and ancillary staff to achieve the health-related goals of the patient

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1, 2, and 5 Residents:

- Demonstrate appropriate dress and decorum while on duty; conversations in public places to be free of patient information. Respond to criticism and correction with calm and attentive demeanor

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:

- Practice the daily care of routine surgical problems and the natural history of these diseases
- Understand how treatment affects change in the natural history related to complicated diseases

PGY 2 Residents:

- Demonstrate improved comprehension of the natural history of more complicated disease and the emergency problems seen within the acute care facility
PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 5 Residents:

- Recognize the affects that treatment has on the natural history of complicated diseases being treated in critically ill patients
- Demonstrate full progression in operative technical ability
- Master patient care practices of the critically ill patient and complicated intra-operative procedures with practice
- Demonstrate intra-operative skills to junior members of the team

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1 Residents:

- Interrelate with medical students and more senior residents as a team member when caring for patients with routine surgical problems

PGY 2 Residents:

- Be adept at being a supportive mid-level team player providing appropriate communications between the younger members and the more senior members

PGY 5 Residents:

- Be adept at communicating succinctly the assignments for the junior members of the team
- Demonstrate proficiency at providing care for the most complicated surgical problems and supervise the care of less complicated surgical diseases and techniques
- Be a strong leader of the surgical team and be able to communicate all surgical problems to the attending surgeons
General Surgery Residency Program
Goals and Objectives
Cardiothoracic Surgery- Harper University Hospital

Academic year: 2008-2009
Site Location: Harper University Hospital, 3990, John R. Detroit, MI. 48201
Faculty Preceptors: Frank Baciewicz, M.D.; Joe Talbert, M.D.
Assigned Residents: PGY 4
Length of Rotation: 6-8 weeks

MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the cardiothoracic patient.

PGY 4 Residents:

- Describe the anatomy, physiology of the cardio pulmonary system and the esophagus
- Describe ventilation management including pressure controlled ventilation
- Discuss surgical indications for various types of cardiac and non-cardiac thoracic diseases as well as the natural history of these diseases
- Describe and understand the surgical outcomes including complication and risk/benefit ratio
- Discuss the indications and contraindications of inotropic and vasoactive agents
- Describe the pathway and path physiology of lung and esophageal management

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the cardiothoracic patient.

PGY 4 Residents:

- Apply patient management practices for critically ill patients in the intensive care unit, many of whom have had heart surgery
- Understand how to place chest tubes and pulmonary artery catheters
- Assist attending surgeon on pulmonary resections and perform some cardiopulmonary wedge resections,
- Demonstrate the ability to open the chest and close the chest on the non-cardiac cases
- Harvest saphenous vein and close leg wounds
- Second assist on cardiac surgical cases and cannulate, or de-cannulate the heart; open the chest through midline sternotomy and close the chest
- Conduct daily rounds with the cardiothoracic residents and attending surgeon

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 4 Residents:

- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Communicate treatment plans with support staff and be able to listen and respond to patients and support staff questions in a positive manner
INTERPERSONAL AND COMMUNICATION SKILLS Continued

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 4 Residents:

- Interact effectively with patients and family members from a diverse background
- Gather essential information from patients, and accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 4 Residents:

- Relate and act as a team member with other residents and fellows from other departments
- Interact with the patients and the support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 4 Residents:

- Remain current on medical literature as it relates to the cardio pulmonary system and the esophagus
- Be adept with online medical databases
- Demonstrate proficiency at teaching, guiding and being a role model for medical students
- Demonstrate basic skills in resource management
- Participate in cardiothoracic conferences; present journal articles that have been assigned

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY4 Residents:

- Integrate closely with the total team of medical students, residents, and attending, surgeon, caring for patients with cardiac and non-cardiac thoracic diseases
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients
General Surgery Residency Program
Goals and Objectives
Harper D Rotation-Minimally Invasive Surgery

Academic year:  2008-2009
Site Location:  Harper Hospital, 3990 John R Street, Detroit, MI. 4820
Faculty Preceptors:  Scott Laker, M.D.; John Webber, M.D. Mathew Weiner, M.D.
Candace Moody, M.D.
Assigned Residents:  PGY 1, 2, and 5
Length of Rotation: PGY 1 Residents = 4 weeks; PGY 2 and 5 Residents = 6-8 weeks

***The specific goals and objectives for this rotation will be posted on the Surgery’s Website in mid- July 2008 at http://www.wayne All Residents will be notified***.
MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of evaluation and management of critically ill surgical patients including general surgery, cardiothoracic, vascular, head and neck, bariatric, transplant and urologic.

PGY 4 Residents:

• Understand the physiology of critically ill post-op patients
• Understand the pathophysiology of hemodynamic, respiratory, renal, hepatic and nutritional failure
• Demonstrate thorough knowledge of infectious diseases, endocrine dysfunction, hematologic abnormalities, neurologic and psychiatric problems and ICU pharmacology in the SICU
• Understand moral, ethical, legal and public policy issues in the SICU
• Participate in and contribute to critical care conferences

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical ICU patient.

PGY 4 Residents:

• Develop proficiency in the assessment and initial stabilization of critically ill surgical patients
• Apply patient care practices as it relates to critically ill patients in the SICU: hemodynamic support with inotropes and vasopressors, shock management, ventilator management, renal replacement therapy, nutritional support
• Apply patient care practices as it relates to critically ill patients in the SICU: treatment of infectious diseases and sepsis, endocrine dysfunction, hematologic abnormalities, neurologic and psychiatric problems.
• Master ICU procedures of arterial lines, central venous lines, pulmonary artery catheters, bronchoscopy, use of ultrasound
• Develop an understanding of intra-aortic balloon pumps in post-op cardiac patients

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 4 Residents:

• Develop and maintain effective communication with ICU nurses and other personnel
• Respond to pages immediately and address patient issues with appropriate timeliness
• Update attending intensivists, primary attendings and surgical resident teams as needed
• Develop skills of effective sign-out and updating daytime ICU team
PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherent to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 4 Residents
• Maintain professionalism in all interactions with ICU personnel
• Answer all pages promptly
• Complete and maintain timely clinical documentation

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices

PGY 4 Residents
• Remain current on medical literature and cases related to surgical critical care

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 4 Residents
• Consult with other members of the health care team to proved cost-efficient health care for patients
• Apply cost-effective care in ordering tests and planning interventions
General Surgery Residency Program
Goals and Objectives
Detroit Receiving Hospital - Urology Rotation

Academic year: 2008-2009
Site Location: Detroit Receiving Hospital, 4201 St. Antoine, Detroit, MI.
Faculty Preceptor: Richard Santucci, M.D.
Assigned Residents: PGY 1
Length of Rotation: PGY 1 Residents = 4 weeks

MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the urology patient.

PGY 1 Residents:
- Understand the fundamental principles of common urological problems including renal, bladder and urethral trauma, renal stone disease, prostrate disease, urologic infections, renal and bladder cancers and testicular torsion and neoplasm’s

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the urology patient

PGY 1 Residents:
- Develop expertise in the various techniques including (suprapubic) of bladder catheterization
- Ability to perform good quality IVP, cystogram and urethrogram for the evaluation trauma
- Ability to perform an adequate prostate, genitalia, and testicular exam
- Ability to perform bladder repair
- Perform an adequate prostate, genitalia, and testicular exam
- Capable of recognizing and treating phimosis
- Know how to perform a circumcision; recognize a testicular torsion

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1 Residents:
- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Communicate treatment plans with support staff and be able to listen and respond to patients and support staff questions in a positive manner
- Interact effectively with patients and family members from a diverse background
- Learn to gather essential information from patients, and accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient
PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1 Residents:
- Relate as a team member with other residents and fellows from other departments
- Relate with all patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:
- Remain current on medical literature as it relates to common urological diseases
- Be familiar with online medical databases
- Teach, guide and be a role model for medical students
- Acquire skills in resource management
- Participate in didactic sessions/presentations

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1 Residents:
- Integrate closely with the total team of medical students, residents, and attending, caring for patients with urological diseases
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients
General Surgery Residency Program  
Goals and Objectives  
*Detroit Receiving Hospital - Neurosurgery*

**Academic year: 2008-2009**  
**Site Location:** Detroit Receiving Hospital, 4201 St. Antoine, Detroit, MI  
**Faculty Preceptor:** Kenneth Casey, M.D.  
**Assigned Residents:** PGY 1  
**Length of Rotation:** PGY 1 Residents = 4 weeks

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**MEDICAL KNOWLEDGE**

**GOAL:** The resident will achieve detailed knowledge of the evaluation and management of the neurosurgery patient

**PGY 1 Residents:**

- Describe and understand the anatomy, pathophysiology, treatment options and principles for common neurosurgical problems including cranial, spinal cord and peripheral nerve trauma, tumors etc.
- Demonstrate extensive knowledge on how to manage increased intracranial pressure

**PATIENT CARE**

**GOAL:** The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the neurosurgery patient.

**PGY 1 Residents:**

- Perform an accurate physical exam with particular respect to common neurosurgical problems
- Demonstrate the ability to offer treatment options for patients suffering from cranial, spinal cord, peripheral nerve trauma, tumors etc.

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**INTERPERSONAL AND COMMUNICATION SKILLS**

**GOAL:** The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

**PGY 1 Residents:**

- Demonstrate a friendly disposition that is conducive to successful interaction with team members and patients
- Communicate the treatment plans with the support staff and be able to listen and respond to the patients and support staff’s questions in a positive manner
- Interact effectively with the patients and the family members from a diverse background
- Gather essential information from patients, and accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient
PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1 Residents:

- Relate as a team member with residents and fellows from other departments
- Interact with the patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:

- Remain current on medical literature as it relates to treatment options and principles for common neurosurgical problems
- Be adept with online medical databases
- Teach, guide and act as a role model for medical students
- Demonstrate skills in resource management
- Attend and participate in didactic sessions and presentations

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1 Residents:

- Integrate closely with the total team of medical students, residents, and attending, caring for patients with neurosurgical problems
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients
MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the trauma patient.

PGY 1 Residents:

- Be adept at basic anatomy, physiology, pharmacology, and pathology as it relates to inpatient management of general surgery problems and postoperative care of trauma.
- Understand how to care for concomitant medical problems.
- Be adept on how to write TPN orders and planning nutritional therapy.
- Prepare and successfully pass ACLS and ATLS courses.
- Systematically read the Miller’s Surgical Text.

PGY 2 Residents:

- Demonstrate competence in resuscitation in order to attend to the needs of critically ill and injured patients.
- Understand multiple treatment strategies for most basic surgical problems.
- Know how to prioritize the severely injured and critically ill patient.

PGY 3 Residents:

- Demonstrate competence in caring for the most critically ill surgical ICU patient with minimal help.
- Understand the risk/benefit ratio treatment strategies for most surgical problems.
- Knowledge of outpatient care and workup.

PGY 5 Residents:

- Understand the procedures in giving consultation and beginning initial workup.
- Master advance surgical procedures and physiological concepts.
- Be proficient at outpatient workups of general surgical problems.
- Demonstrate progression in understanding medical administration practices.

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the trauma patient.

PGY 1 Residents:

- Perform basic procedural skills including central IV lines, arterial lines, chest tubes, sigmoidoscopy, and anoscopy.
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the trauma patient.

PGY 1 Residents continued:

- Conduct rudimentary intraoperative procedures including removal of skin, subcutaneous tumors, incision and drainage of abscesses, uncomplicated inguinal hernias, and tube thoracostomy
- Demonstrate mastery of skin and wound closure
- Perform routine history and physical examinations
- Assess and initiate treatment for routine medical problems in surgical patients
- Demonstrate the ability to follow patients sequentially

PGY 2 Residents:

- Demonstrate progression of procedural intraoperative skills, which include periontal lavage, tracheotomy, laparaotomy for uncomplicated stab wounds, ICU ventilator care, invasive ICU monitoring
- Apply the use of ultrasound to assess acute trauma in patients
- Demonstrate mastery of skin and wound closure
- Perform routine history and physical examinations
- Assess and initiate treatment for routine medical problems in surgical patients
- Be adept at following patients sequentially

PGY 3 Residents:

- Demonstrate advancement of procedural and intraoperative skills, which include intestinal and biliary procedures, simple vascular procedures, and serving as primary surgeon in more complex procedures
- Demonstrate proficiency at performing routine exploratory laparotomy
- Perform endoscopy procedures (EGD, colonoscopy)
- Demonstrate mastery of skin and wound closure
- Perform routine history and physical examinations
- Assess and initiate treatment for routine medical problems in surgical patients
- Be adept at following patients sequentially

PGY 5 Residents:

- Be adept at intraoperative skills to encompass virtually all general surgery procedures as well as technical aspects of most operations
- Demonstrate advanced proficiency at routine exploratory laparotomy
- Perform endoscopy procedures (EGD, colonoscopy)
- Mastery of skin and wound closure
- Perform routine history and physical examinations
- Assess and initiate treatment for routine medical problems in surgical patients
- Be adept at following patients sequentially
INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1, 2, 3 and 5 Residents:

- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Demonstrate the ability to handle and resolve conflict with patients
- Communicate the treatment plans with the support staff and be able to listen and respond to the patients and support staff’s questions in a positive manner
- Interact effectively with patients and family members from a diverse background
- Gather essential information from patients, and accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1, 2, 3, and 5 Residents:

- Relate as a team member with other residents from other departments
- Relate with the patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems
- Demonstrate the ability to maintain composure in an emergency department environment

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:

- Remain current on medical literature as it relates to surgical diseases and complications
- Be adept with online medical databases
- Teach medical students how to write surgical progress notes
- Describe and become familiar with resource management practices

PGY 2 Residents:

- Demonstrate progression in procedural and intraoperative skills in regard to peritoneal lavage, tracheotomy, laparotomy for uncomplicated stab wounds, ICU ventilator care, invasive ICU monitoring, and use of ultrasound to assess acute trauma
- Remain current on medical literature as it relates to surgical diseases and complications
- Be adept with online medical databases
- Teach medical students how to write surgical progress notes
- Recognize and become familiar with resource management practices
PRACTICE-BASED LEARNING AND IMPROVEMENT Continued

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 3 Residents:

- Demonstrate progression in advance intraoperative skills related to intestinal, biliary and simple vascular procedures
- Demonstrate adeptness at practicing endoscopy procedures
- Remain current in medical literature as it relates to surgical diseases and complications
- Be adept with online medical databases
- Teach medical students how to write surgical progress notes
- Demonstrate leadership and management skills by running the service in absence of the PGY 5 with close supervision and support from attendings
- Apply and practice resource management

PGY 5 Residents:

- Be adept at advance intraoperative skills related to all general surgery procedures
- Demonstrate technical proficiency in most operations
- Remain current on medical literature as it relates to surgical diseases and complications
- Be adept with online medical databases
- Teach medical students how to write surgical progress notes
- Demonstrate operative skills and ability to assist and teach less complicated operations
- Demonstrate leadership and management skills by running the service in absence of the PGY 5 with close supervision and support from attendings
- Apply and practice resource management
- Conduct case presentations at Grand Rounds Conferences (Mortality and Morbidity etc.)

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1, 2, 3, and 5 Residents:

- Integrate closely with the total team of students, residents, and attending, caring for patients with routine surgical problems
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients
General Surgery Residency Program  
Goals and Objectives  
*Detroit Receiving Hospital - Green Service*

**Academic year:** 2008-2009  
**Site Location:** Detroit Receiving Hospital 4201 St. Antoine, Detroit, MI.  
**Division Chiefs:** Anna Ledgerwood, M.D. and Charles Lucas, M.D.  
**Assigned Residents:** PGY 1, 2, 3, and 4  
**Length of Rotation:** PGY 1 Residents = 4 weeks; PGY 2, 3, and 4 = 6-8 weeks

### MEDICAL KNOWLEDGE

**GOAL:** The resident will achieve detailed knowledge of the evaluation and management of the surgical patient.

**PGY 1 Residents:**
- Describe normal physiology and anatomy relative to patient problems

**PGY 2 Residents:**
- Demonstrate the ability to prioritize treatment for the patient with multiple problems
- Recognize and understand uncommon surgical diseases

**PGY 3 Residents:**
- Recognize and describe the pathophysiology of complicated cardiovascular changes in severely injured and septic patients

**PGY 4 Residents:**
- Remain current with the recent surgical literature from standard surgical journals regarding the challenges faced in caring for the critically ill patient

### PATIENT CARE

**GOAL:** The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

**PGY 1 Residents:**
- Perform patient care practices for routine surgical problems
- Conduct a routine history and physical examination on the patient
- Assess and recognize the type of treatment necessary for routine medical problems in surgical patients
- Be proficient at following patients sequentially

**PGY 2 Residents:**
- Evaluate patients in the Emergency Department; perform a differential diagnosis for both injured patients and patients presenting with acute surgical emergencies not related to trauma

**PGY 3 Residents:**
- Be adept at patient care in a critical care setting including complicated fluid management and ventilator support
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 4 Residents:

- Perform critical care and intra-operative care for patients with major injuries and major technical problems

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1, 2, 3, and 4 Residents:

- Interact effectively with fellow residents and the multidisciplinary team on the service
- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Be able to handle and resolve conflict with patients
- Communicate the treatment plans with support staff and be able to listen and respond to the patients and support staff’s questions in a positive manner

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population

PGY 1, 2, 3, and 4 Residents:

- Relate as a team member with other residents from other departments
- Relate with the patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and do not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems
- Demonstrate the ability to maintain composure in an emergency department environment
- Demonstrate the ability to maintain a mature relationship in the midst of adversity, especially, when family members and love ones learn about serious injuries to relatives
- Demonstrate adeptness at resolving disagreements between patient relatives and members of the treating team
- Apply methods in calming the grieving relative
PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:

- Describe routine surgical diseases and apply knowledge and technical skills in regard to the indications and techniques for the Foley catheter, nasogastric tube insertion, diagnostic peritoneal lavage, chest tube insertion and other simple technical skills

PGY 2 Residents:

- Be adept at recognizing subtle physical findings, performing a peritoneal lavage, inserting a chest tube and handling of the needle driver for doing simple operations

PGY 3 Residents:

- Demonstrate proficiency in the placement of central lines and Swan Ganz catheters
- Teach younger members of the team in performing central lines and Swan Ganz catheters in complicated patients requiring such procedures

PGY 4 Residents:

- Understand the anatomy of all parts of the body in order to provide appropriate care in patients with illnesses and injuries throughout the body

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1 Residents:

- Integrate closely with the total team of students, residents, and attending, in caring for patients with routine surgical problems

PGY 2 Residents:

- Demonstrate progression in teaching the younger members of the team while being directed by more senior members of the team; always maintaining kindness and empathy for patients

PGY 3 Residents:

- Coordinate, evaluate and manage the care provided by several younger members of the patient care team. Be adept at summarizing accurately and succinctly the findings and trends to the more senior team members

PGY 4 Residents:

- Supervise the activities of the younger team members so that patient care is efficient
- Manage and ensure that members of the team promptly complete all history and physical examinations
General Surgery Residency Program
Goals and Objectives
*Detroit Receiving Hospital - Blue Division*

**Academic year:** 2008-2009
**Site Location:** Detroit Receiving Hospital 4201 St. Antoine, Detroit, MI.
**Division Chief:** Lawrence Diebel, MD
**Assigned Residents:** PGY 1, 2, 3, and 5
**Length of Rotation:** PGY 1 Resident = 4 weeks; PGY 2, 3, and 5 Residents 6-8 weeks

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**MEDICAL KNOWLEDGE**

**GOAL:** The resident will achieve detailed knowledge of the evaluation and management of the surgical trauma patient.

**PGY 1 Residents:**
- Describe the medical physiology, pharmacology, rudimentary surgical pathophysiology as it relates to inpatient management of general surgery problems and postoperative care of trauma
- Demonstrate tenacity and stamina in acquiring complex medical knowledge
- Demonstrate the ability to write patient care plans, display organizational skills and record keeping

**PGY 2 Residents:**
- Describe multiple treatment strategies for most basic surgical problems
- Apply time management skills in order to prioritize and treat severely injured and critically ill patients
- Perform rudimentary knowledge of subspecialties to allow rational career planning

**PGY 3 Residents:**
- Describe and understand the risks and benefits of most treatment strategies in surgical patients
- Understand treatment paradigms for surgical diseases and alternatives
- Be aware of the risk and morbidity of injury and disease
- Acquire knowledge resource management and allocation

**PGY 5 Residents:**
- Be proficient at advanced surgical procedures, physiological concepts, and solutions
- Become familiar with medical administration procedures as it relates to office and personnel organization
- Become familiar with medical practice financing and cost of care

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**PATIENT CARE**

**GOAL:** The resident will provide patient care that is compassionate, appropriate, and effective for the treatment of the surgical patient.

**PGY 1 Residents:**
- Perform patient history and physical examination
- Carry out basic procedural skills including catheter placement, intraoperative skills including removal of subcutaneous tumors, incision and drainage of abscesses
- Acquire skill in writing patient care plans, organization, and record keeping

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PATIENT CARE continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 2 Residents:

- Demonstrate intraoperative skills to include chest tube placement, peritoneal lavage herniorrhaphy etc.
- Conduct a patient history and physical examination
- Demonstrate progression in writing patient care plans, organization, and record keeping

PGY 3 Residents:

- Complete and handle operative procedures in difficulty patients
- Demonstrate advancement of intraoperative skills to include including biliary procedures, simple vascular procedures
- Begin role as primary and teaching surgeon with faculty supervision
- Be highly proficient at conducting a patient history and physical examination
- Demonstrate competence in completing patient care plans
- Demonstrate proficiency at organizational skills and record keeping

PGY 5 Residents:

- Advancement of intraoperative skills to encompass the conduct of the operation including resource management and technical aspects of most operations
- Able to complete and handle operative procedures in difficulty patients
- Demonstrate proficient intraoperative skills to include biliary procedures and simple vascular procedures
- Serve as primary and teaching surgeon with faculty supervision
- Continue to conduct patient history and physical examination
- Confidently complete patient care plans
- Demonstrate proficiency at organizational skills and record keeping

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1, 2, 3 and 5 Residents:

- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Be able to handle and resolve conflict with patients
- Communicate treatment plans with support staff and be able to listen and respond to patients and support staff questions in a positive manner
- Effectively interact with patients and family members from a diverse background
- Gather essential information from patients; accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient
PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1, 2, 3 and 5 Residents:

- Relate as a team member with other residents from other departments
- Relate with all patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems
- Demonstrate the ability to maintain composure in an emergency department environment

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1, 2 and 3:

- Remain current on medical literature as it relates to surgical diseases and complications
- Be adept with online medical databases
- Teach medical students how to write surgical progress notes; teach students intraoperative and postoperative skills
- Be adept at practicing resource management skills

PGY 5 Residents:

- Demonstrate proficiency in advance intraoperative skills related to all general surgery procedures
- Demonstrate technical proficiency in most operations
- Remain current on medical literature as it relates to surgical diseases and complications
- Be adept with online medical databases
- Teach medical students how to write surgical progress notes; teach students intraoperative and postoperative skills
- Demonstrate the ability to assist and teach junior residents less complicated operations
- Demonstrate leadership and management skills by running the service in absence of the PGY 5 with close supervision from attendings
- Be adept at practicing resource management skills
- Present cases at Grand Rounds Conferences (Mortality and morbidity conferences etc.)
SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1, 2, 3 and 5 Residents:

- Integrate closely with the total team of students, residents, and attending, caring for patients with routine surgical problems
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients
General Surgery Residency Program  
Goals and Objectives  
*Detroit Receiving Hospital Burns-Rotation*

**Academic year:** 2008-2009  
**Site Location:** Detroit Receiving Hospital 4201 St. Antoine, Detroit, MI.  
**Division Chief:** Michael White, M.D.  
**Assigned Residents:** PGY 1  
**Length of Rotation:** PGY 1 Residents = 4 weeks

## MEDICAL KNOWLEDGE

**GOAL:** The resident will achieve detailed knowledge of the evaluation and management of the burn patient.

**PGY 1 Residents:**

- Describe and understand the pathophysiology of burn injury, inhalation injury, CO poisoning, electrical injury, frostbite, and chemical burns, along with appropriate treatment for different injuries
- Discuss the pathophysiology of burn shock and how to resuscitate the burn injured patient
- Recognize and treat complications of acute burn injury, including myoglobinuria and compartment syndrome
- Describe the metabolic consequences of burn injury
- Demonstrate thorough understanding of how nutrition is part of the treatment of the burn injured patient; be able to estimate nutritional needs of burn injured patients
- Describe the advantages/disadvantages of enteral and parenteral nutrition and the methods of ameliorating metabolic response to injury
- Describe the classifications of burn injury and the different alternatives to cover burn wounds
- Discuss the principles of excision and grafting of large and small burns
- Describe vent management, including evaluation of blood gases, different ventilator modes, weaning and complications of vent use

## PATIENT CARE

**GOAL:** The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

**PGY 1 Residents:**

- Demonstrate proficiency in talking to patients and family members about burn care in a manner that is understandable
- Obtain informed consent from patients and/or family members
- Perform a comprehensive history and physical with emphasis on burn injury
- Collect the appropriate history and physical for each patient on daily rounds, with emphasis on the ins and outs, status of burn wounds, nutrition, pain control, and status of discharge planning
- Collect lab data and reports of studies for presentation
- Evaluate chest x-ray to determine evidence of pneumonia, inhalation injury, placement lines, presence of pneumothorax, placement of ET tube
- Evaluate the cultures from the computer, including sputum GS with C&S, urinalysis with urine culture, wound cultures, wound quantitative cultures, line tip cultures, and make recommendations on treatment
- Evaluate initial patient history, physical exam, and studies to make treatment recommendations with regard to the need for O.R., wound care, resuscitation, and ventilation
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1 Residents Continued:

- Perform daily evaluations and make recommendations with regard to changes in fluid, addition or change in antibiotics, changes of vent settings, need for O.R., and discharge
- Discuss with patients about the prevention of burn injury and wound care in outpatient setting
- Discuss with patients about the expectations of recovery from burn injury and use other team members and social workers for patient counseling and education
- Demonstrate technical ability to use the Weck blade, humbee knife and Zimmer to perform excision of burns
- Demonstrate how to harvest a skin graft with proper technique
- Apply different methods used for hemostasis during burn excision, including tourniquets, epinephrine injection, thrombin, epinephrine soaked sponges
- Use appropriate dressing over a grafted burn and use splints when appropriate
- Demonstrate understanding of how a bronch is performed and the safety measures necessary to do the procedure safely, along with how to collect bronchial washings
- Conduct the placement of central lines and understand anatomic principles and the complications of central line placement at different locations
- Recognize when it is appropriate to order chest x-rays, Duplex, and possible CT for evaluation of the burn patient

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1 Residents:

- Interact with fellow residents and multidisciplinary team on the burn unit
- Demonstrate a friendly disposition that is conducive to successful interaction with team members and patients
- Be able to handle and resolve conflict with patients
- Communicate treatment plans with support staff and be able to listen and respond to the patients and support staff’s questions in a positive manner

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1 Residents:

- Relate as a team member with other residents from other departments
- Relate with the patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:
- Demonstrate adeptness at using the CIS system to view x-ray results and obtain lab results
- Be proficient with computer search engines to review the literature as it applies to burns, burn unit practices, and patients’ treatment and complications

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1 Residents:
- Evaluate complications and review the medical literature to determine how practice should be changed
- Interact with a multidisciplinary team and understand the utilization of different hospital services to maximize patient outcome in both inpatient and outpatient settings
- Recognize and understand how different insurance plans affect treatment plans for outpatient care
MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the surgical patient.

PGY 3 Residents:

- Recognize, describe and understand the indications and complications of gastrointestinal endoscopy
- Be adept at determining endoscopic and histological findings of common diseases for the upper and lower gastrointestinal tract
- Describe ERCP- technique and interpretation of biliary pancreatic disease
- Develop skill in endoscopic management

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 3 Residents:

- Perform EGDs on patients in a safe and skillful manner
- Perform colonoscopies safely and skillfully and to be able to reach the cecum most of the time

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 3 Residents:

- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Communicate treatment plans with support staff and be able to listen and respond to the patients and support staff’s questions in a positive manner
- Interact effectively with patients and family members from a diverse background
- Gather essential information from patients, and accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient
PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 3 Residents:

- Relate as a team member with other residents and fellows from other departments
- Relate with the patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and do not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 3 Residents:

- Remain current on medical literature as it relates to indications and complications of gastrointestinal endoscopy
- Be adept with online medical databases
- Teach, guide and act as a role model for medical students
- Recognize and apply resource management skills
- Attend and actively participate in didactic sessions and presentations

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 3 Residents:

- Integrate closely with the total team of medical students, residents, and attending, treating patients involved with endoscopic procedures
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients
MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the plastic surgery patient.

PGY 1 Residents:

- Describe the principles involved in reconstructive surgery, anatomy, pathophysiology and treatment of common hand problems, operative principles, principles and indications of microvascular surgery, pathophysiology and management of soft tissue injuries
- Discuss overall management of plastic surgical problems
- Describe the principles of facial fracture management including airway considerations
- Describe functional anatomy, operative principles, indications, and follow up care of rotational and free laps

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1 Residents:

- Perform an accurate physical exam with particular respect to function of the hand
- Perform accurate physical exam of facial fractures
- Demonstrate proficiency of surgical techniques, including nerve and tendon repair, facial and ear laceration care as well as skin and soft tissue tumors
- Demonstrate proficiency in reading radiographs of the hand/writ/face
- Display knowledge of free flaps and re-implantation techniques

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1 Residents:

- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Communicate treatment plans with support staff and be able to listen and respond to the patients and support staff’s questions in a positive manner
- Interact effectively with patients and family members from a diverse background
- Gather essential information from patients, and accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient
PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1 Residents:

- Relate as a team member with other residents and fellows from other departments
- Relate with all patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:

- Remain current on medical literature as it relates to principles of reconstructive surgery
- Be adept with online medical databases
- Teach, guide and act as a role model for medical students
- Demonstrate progression in resource management skills
- Attend and actively participate in didactic sessions/presentations

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1 Residents:

- Integrate closely with the total team of medical students, residents, and attending, caring for patients involved in reconstructive surgery
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients
General Surgery Residency Program
Goals and Objectives
Veterans Administration Hospital - Division 1- Thoracic and Vascular Rotation

Academic year: 2008-2009
Site Location: Veterans Administration Hospital, 4646 John R., Detroit, MI.
Division Chief: Walter Salwen, M.D.
Faculty Preceptors: Scott Laker, M.D.; Joe Talbert, M.D.; John Chacko, M.D.
Assigned Residents: PGY 1, and 5
Length of Rotation: PGY 1 Residents = 4 weeks; PGY 5 Residents = 6-8 weeks

MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the vascular patient.

PGY 1 Residents:
- Demonstrate an understanding of vascular anatomy and anatomic arrangement of common vascular bypass procedures and angioplasty or other endovascular procedures
- Describe the natural history of atherosclerotic occlusive disease, aneurysms, cerebrovascular occlusive disease and thoracic anatomy

PGY 5 Residents:
- Demonstrate knowledge of vascular graft material and factors effective graft failure
- Demonstrate knowledge of different modes of angioplasty (balloon vs. stent, self expandable stent vs. balloon expandable, very basic differences between catheters and different wires)
- Describe the conduct of pneumonectomy, lobectomy and escharectomy
- Demonstrate knowledge of patency data, long term outcome and limitations of various vascular procedures
- Discuss the indication, contra-indication, and patient selection for major vascular procedures
- Describe the specific indications of endovascular procedures for occlusive or aneurismal disease and recognize the specific complication related to endovascular approach
- Describe and understand survival data and complications of major thoracic procedures for lung and esophageal carcinomas

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1 Residents:
- Conduct a thorough vascular history and physical examination
- Assess and initiate treatment for patients with vascular disease
- Recognize vascular emergencies
- Recognize acute thoracic emergencies (e.g. pneumothorax etc.)

PGY 5 Residents:
- Assess and treat seriously ill patients in the intensive care unit
- Assess and initiate treatment for patients with vascular disease
- Recognize vascular emergencies
- Recognize acute thoracic emergencies (e.g. pneumothorax etc.)
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 5 Residents Continued:
- Demonstrate organization and leadership skills to expedite patients election, preoperative preparation, conduct of surgery and post-operative care
- Assess and treat seriously ill patients in the intensive care unit
- Assess and initiate treatment for patients with vascular disease
- Recognize vascular emergencies
- Recognize acute thoracic emergencies (e.g. pneumothorax etc.)

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1, and 5 Residents:
- Interact with fellow residents and the multidisciplinary team on the service
- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Be able to handle and resolve conflict with patients
- Communicate treatment plans with patients and support staff
- Respond to patients and support staff questions in a positive manner
- Demonstrate proficient use of an electronic ordering system

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1, and 5 Residents:
- Relate as a team member with other residents from other departments
- Relate with all patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems
- Demonstrate the ability to maintain composure in an emergency department environment
- Demonstrate the ability to maintain a mature relationship in the midst of adversity, especially, when family members and love ones learn about serious injuries to relatives
- Apply methods in resolving disagreements between patient relatives and members of the treating team
- Demonstrate the ability to calm the grieving relative
PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:

- Know how to position intra-vascular access devices including Swan-Ganz catheterization and temporary percutaneous Hems dialysis devices
- Perform tube thoracostomy

PGY 5 Residents:

- Coordinate the care provided by several younger members of the patient care team
- Demonstrate proficiency at supervising the activities of the younger team members so that patient care is efficient
- Be proficient at performing carotid endarterectomy, aortic reconstruction, lung and esophageal resections
- Perform the positioning of intra-vascular access devices including Swan-Ganz catheterization and temporary percutaneous Hems dialysis devices
- Perform tube thoracostomy
- Demonstrate competence in performing a caval filter placement and Hemodialysis shunts
- Demonstrate leadership and management practices in ensuring that all members of the team promptly complete all patient histories and physical examinations
- Perform effective carotid endarterectomy, aortic reconstruction, lung and esophageal resections
- Demonstrate proficiency in positioning intra-vascular access devices including Swan-Ganz catheterization and temporary percutaneous Hems dialysis devices
- Perform tube thoracostomy
- Capable of performing a caval filter placement and Hemodialysis shunts
- Conduct case presentations at conferences

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1, and 5 Residents:

- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand systems-based practice within the VA and how veteran’s status within the VA affects their care
- Be adept in using the electronic medical record system, understanding its benefits and difficulties in its adoption
- Demonstrate adeptness with the resource usage in a capitated system wherein resources are not infinite and costs are not simply passed on to the consumer
General Surgery Residency Program
Goals and Objectives
Veterans Administration Hospital - Division 2 - General Surgery Rotation

Academic year: 2008-2009
Site Location: Veterans Administration Hospital, 4646 John R., Detroit, MI.
Faculty Preceptors: Marc Basson, M.D. Mary Ann Kosir, M.D.; Steven Tennenberg, M.D.; John Webber, M.D.; Julian Losanoff, M.D.
Assigned Residents: PGY 1, and 5
Length of Rotation: PGY 1 Residents = 4 weeks; PGY 5 Residents = 6-8 weeks

MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the surgical patient as it relates to the head and neck, abdomen, and inguinal region.

PGY 1 Residents:
- Recognize and understand the signs and symptoms of common general surgical disease and of head and neck malignancies
- Describe the basic anatomy of head and neck abdomen, and inguinal region
- Demonstrate detailed knowledge of signs and symptoms of head and neck malignancies
- Describe post-operative care of head and neck cancer patients, including airway and tracheostomy care
- Describe the pathophysiology of common disease seen by general surgeons

PGY 5 Residents:
- Demonstrate advanced detailed knowledge and understanding of the anatomy of the neck from the clavicle to the base of the skull and anatomy of all intra-abdominal structures
- Describe the use of chemotherapy and radiation therapy in malignancies seen by the general surgeon and head and neck cancer surgeon
- Demonstrate a thorough understanding of pathophysiology of the critically ill patient

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1 Residents:
- Perform fine needle aspiration, lymph node biopsy, and triple endoscopy on patients
- Be adept at placing all percutaneous vascular access devices in patients
- Demonstrate technical skill appropriate to minor general surgical procedures, including tracheostomy, cricothyroidotomy, inguinal hernia repair and appendectomy
- Demonstrate proficiency at performing endotracheal procedures of the mouth and palate, etc.
- Be adept at performing percutaneous endoscopic gastrostomy with appropriate supervision
- Perform adequately upper and lower endoscopy skills, and fiber optic bronchoscopy
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 5 Residents:

- Demonstrate advanced technical skills associated with major general surgical procedures including radical resections of the intra-abdominal cancers and major neck dissections, including composite resections for head and neck cancers
- Demonstrate proficiency at fine needle aspiration, lymph node biopsy, and triple endoscopy procedures
- Be competent at placing all percutaneous vascular access devices in patients
- Demonstrate competence in performing endotracheal procedures of the mouth and palate, etc.
- Be adept at conducting percutaneous endoscopic gastrostomy with appropriate supervision
- Demonstrate advanced progression and development of upper and lower endoscopy skills, and fiber optic bronchoscopy

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1, and 5 Residents:

- Interact with fellow residents and the multidisciplinary team on the service
- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Be able to handle and resolve conflict with patients
- Communicate treatment plans with patients and support staff
- Respond to patients and support staff questions in a positive manner
- Demonstrate proficiency in using of an electronic ordering system

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1, and 5 Residents:

- Relate as a team member with other residents from other departments
- Relate with all patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems
- Demonstrate the ability to maintain composure in an emergency department environment
- Demonstrate the ability to maintain a mature relationship in the midst of adversity, especially, when family members and love ones learn about serious injuries to relatives
- Demonstrate the ability to resolve disagreements between patient relatives and members of the treating team
- Apply methods in calming the grieving relative
PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1 Residents:

- Identify general surgical emergencies
- Teach and direct medical students in regard to pre and post operative care of patients
- Apply leadership and practice management skills in evaluating and managing seriously ill patients in the intensive care unit

PGY 5 Residents:

- Demonstrate organizational and leadership skills involved in the planning and management of comprehensive care in surgery including patient selection, preoperative preparation, conduct of major surgical procedures and post-operative care
- Manage seriously ill patients in the critical care unit
- Be capable of teaching and directing junior residents (PGY 1-2) in minor ward and clinic procedures
- Be capable of teaching and directing medical students in regard to pre and post operative care of patients
- Be proficient at recognizing general surgical emergencies
- Conduct presentations at conferences

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1, and 5 Residents:

- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Demonstrate an understanding of systems-based practice within the VA and how veteran’s status within the VA affects their care
- Be adept in the use of an electronic medical record system, understanding its benefits and difficulties in its adoption
- Demonstrate knowledge of resource usage in a capitated system wherein resources are not infinite and costs are not simply passed on to the consumer
General Surgery Residency Program  
Goals and Objectives  
Children's Hospital of Michigan- Pediatric Surgery

Academic year: 2008-2009  
Site Location: Children's Hospital of Michigan, 3901 Beaubien, Detroit, MI. 48201  
Division Chief: Marc L. Cullen, MD  
Assigned Residents: PGY 1, 2, and 4  
Length of Rotation: PGY 1 Residents = 4 weeks; PGY 2, and 4 Residents = 6-8 weeks

MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the pediatric surgical patient

PGY 1, and 2 Residents:

• Demonstrate proficiency at conducting a history and physical examination on a child of any age
• Demonstrate knowledge in starting an IV and drawing blood on a child of any age
• Apply ATLS standards to a child of any age
• Describe drug and electricity doses for cardiac life support in children
• Describe how to handle the airway and breathing for a child who has had a cardio respiratory arrest
• Be adept at applying cardiac compression in a child of any age
• Describe the basic differences between pediatric and adult general surgery such as, closing and not closing dirty wounds, doing a colostomy, how to approach rectal bleeding, and what problems are seen in children? How trauma is approached in children? How are burns approached in children?
• Describe the preoperative, operative, and postoperative care of children with problems associated with appendicitis, pyloric stenosis, intussusceptions, hernia inguinal, hernia umbilical, phimosis, undescended testicle, NEC, congenital abdominal wall defect, TEF, intestinal atresia, malrotation, Hirschsprung's disease, imperforate anus, biliary atresia, Wilms' tumor, neuroblastoma, congenital diaphragmatic hernia, GER, vascular access

PGY 4 Residents:

• Demonstrate knowledge of fluid and electrolyte balance in newborns
• Describe and understand respiratory illnesses and ventilators including pressure, volume, and HFO
• Be adept with bilirubin metabolism in newborns and management of hyperbilirubinemia
• Describe the management of shock and sepsis in newborns

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1, and 2 Residents:

• Perform effective subcuticular absorbable skin sutures in children
• Demonstrate competence in conducting an appendectomy, repair an inguinal hernia, perform a circumcision, repair an umbilical hernia, and perform a split thickness skin graft
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 4 Residents:

- Perform effective endotracheal intubations in newborns
- Be adept at assisting in cannulation for ECMO, decanualte a patient on ECMO
- Demonstrate competency in conducting gastrostomy, Niesen fundoplication, inguinal hernia in a child less than a year and enterolysis in a child
- Perform effective pyloromyotomy operative reduction of intussusception
- Insert chest tube placement in a newborn and vascular access in newborns and children (central lines)

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

PGY 1, 2, and 4 Residents:

- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Communicate treatment plans with support staff and be able to listen and respond to patients and support staff questions in a positive manner
- Interact effectively with patients and family members from a diverse background
- Gather essential information from patients, and accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1, 2, and 4 Residents:

- Relate as a team member with other residents and fellows from other departments
- Relate with all patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems
PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1, and 2 Residents:

- Remain current on medical literature as it relates to surgical diseases and complications in children
- Be adept with online medical databases
- Teach medical students how to write surgical progress notes
- Demonstrate proficiency in applying resource management skills

PGY 4 Residents:

- Remain current on medical literature as it relates to surgical diseases and complications in children
- Be adept with online medical databases
- Teach medical students how to write surgical progress notes
- Perform the duties of teaching junior members of the team in an effective manner
- Demonstrate proficiency in applying resource management skills
- Conduct case presentations at conferences

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1, 2 and 4 Residents:

- Integrate closely with the total team of medical students, residents, and attending, caring for patients with surgical problems
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients
MEDICAL KNOWLEDGE

GOAL: The resident will achieve detailed knowledge of the evaluation and management of the surgical patient

PGY 1 Residents:
- Describe pathophysiology as applied to surgical disease
- Discuss the principles involved in operations, handling of tissues, dissection of tissue planes, suture-ligature techniques and masters “simple” operative procedures
- Remain current on surgical literature
- Use the surgical atlases to learn the approach to basic cases
- Master the complete contents of a major surgical textbook and expand procedures learned in atlases
- Demonstrate a thorough understanding of basic science principles applicable to surgery
- Systematically read classic articles on cases
- Recognize, evaluate and understand complex wound care

PGY 3, and 4 Residents:
- Demonstrate advance progression in reading basic surgical literature to remain current
- Be adept at overall patient management both in and out of the operating room
- Recognize and have a thorough understanding of operative indications and contraindications
- Understand and apply effectively the basic science principles applicable to surgery
- Demonstrate advanced knowledge of complex wound care

PGY 5 Residents:
- Describe and understand physical principles and interpretation of non-invasive tests
- Demonstrate proficiency in overall patient management both in and out of the operating room
- Recognize and have a thorough understanding of operative indications and contraindications
- Be adept at independently managing critically ill patients
- Demonstrate a thorough understanding of basic science principles applicable to surgery
- Conduct systematic readings on classic articles about surgical cases to remain current

PATIENT CARE

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1 Residents:
- Demonstrate self-confidence and the ability to conduct differential diagnoses and management plans through history and physical examination
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 1 Residents Continued:

- Demonstrate proficiency in basic bedside and emergency procedures (e.g., peripheral and central lines, chest tube insertion, cut-downs intubations)
- Be proficient at applying basic assistance in surgery including proper position of patients on the operating table, preparing, draping
- Demonstrate competence in retraction of tissues or mechanical devices for the same purpose, use of simple surgical instruments
- Demonstrate adeptness at suturing and ligature application of superficial tissue
- Demonstrate proficiency in pre and post operative care of patients
- Describe initial management of any life threatening surgical illness and be adept at initial resuscitation of any patient
- Master techniques of using and placing Ngs, Foley’s, IV’s CVPs, arterial lines and standard aseptic techniques

PGY 3, and 4 Residents:

- Demonstrates progression in patient care practices and operative skills
- Display proficiency in emergency room diagnosis and treatment for surgical disease, including mastery of acute abdomen evaluation
- Demonstrate the ability to prioritize and know the principles of patient care and be adept to triage
- Demonstrate operative skill in regard to breast biopsies, particularly needle localization surgical procedures
- Demonstrate operative skill in regard to breast biopsies particularly, needle localization surgical procedures
- Demonstrate competence in the repair of abdominal wall hernias
- Conduct effective tracheotomy procedures
- Perform effective simple anal-rectal procedures (hemorrhoids, fissure, fistula)
- Demonstrate competent performance in conducting appendectomies; become familiar with endoscopy including EGD and flexible sigmoidoscopy
- Demonstrate competence in independently placing Hickman catheters, Swan Ganz catheters, chest tubes, DPL, open and close abdomen and thorax
- Conduct advanced CPR, routine ICU patients, TPN ventilators effectively
- Demonstrate competence in endoscopic procedures and surgical intensive care
- Perform effective intra-abdominal procedures-open cholecystectomy, small and large bowel resection (simple), and sigmoid resection
- Be adept with thyroid and parathyroid procedures
- Demonstrate effective use of the Swan-Ganz catheter placement and bronchoscopies; mastectomies
- Conduct competent laparoscopic surgery
- Demonstrate effectiveness in conducting more complex operative procedures; thoroughly understands abdominal surgery
- Demonstrate proficiency in conduct vascular surgery such as, endarterectomy, bypass grafting of peripheral vessels, resection and anastomosis of AAA)
- Demonstrate competence in performing thoracic surgery; other endocrine and simple pancreatic procedures
PATIENT CARE Continued

**GOAL:** The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

**PGY 3, and 4 Residents Continued:**
- Maintain overall ward care of patients and demonstrate progressive supervisory role for PGY 1 and 2 residents
- Demonstrate competence in completing pre, intra and post-operative treatment plans in detail and provide effective consultations for other services
- Be proficient in the treatment of usual surgical diseases and standard operative procedures and has a good understanding of surgical pathophysiology

**PGY 5 Residents:**
- Demonstrate advanced development and competence of critical care skills
- Demonstrate competence in the application of portocaval shunts, liver resections, pancreas, etc.
- Recognize the "limits" of surgical treatment and become skilled in the management of surgical complications
- Demonstrate good judgment, safety and an acceptable level of technical skill
- Perform effective complex operative procedures; thoroughly understand abdominal surgery
- Perform intra-abdominal procedures-open cholecystectomy, small and large bowel resection (simple), and sigmoid resection with competence
- Perform competent laparoscopic surgical procedures
- Demonstrate competence in performing vascular surgery-complex (e.g. endarterectomy, bypass grafting of peripheral vessels, resection and anastomosis of AAA)
- Perform thoracic surgical procedures effectively; and, other endocrine and simple pancreatic procedures
- Manage overall ward care of patients and demonstrate progressive supervisory role for PGY 1 and 2 residents
- Demonstrate efficiency in completing pre, intra and post-operative treatment plans in detail and provide effective consultations for other services

**INTERPERSONAL AND COMMUNICATION SKILLS**

**GOAL:** The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

**PGY 1, 3, 4, and 5 Residents:**
- Interact effectively with fellow residents and the multidisciplinary team on the service
- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Be able to handle and resolve conflict with patients
- Communicate effective treatment plans with the patients and support staff
- Respond to the patients and support staff questions in a positive manner
- Demonstrate proficiency in writing orders in a legible format
PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 1, 3, 4, and 5 Residents:

- Relate as a team member with other residents from other departments
- Relate with all patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Be punctual and display effective time management skills
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems
- Demonstrate the ability to maintain composure in an emergency department environment
- Demonstrate the ability to maintain a mature relationship in the midst of adversity, especially, when family members and love ones learn about serious injuries to relatives
- Demonstrate the ability to resolve disagreements between patient relatives and members of the treating team
- Apply effective methods in calming the grieving relative

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 1, and 3 Residents:

- Develop competence and a sense of comfort in teaching and being a role model for medical students
- Demonstrate the use of technology to increase medical knowledge
- Attend and actively participate in didactic presentations

PGY 4, and 5 Residents:

- Demonstrate proficiency in independently managing in all aspects of patient caret and is responsible for running a resident service with close supervision by attendings
- Demonstrate effective leadership and management skills by coordinating and managing a service so as to lead and guide more junior residents
- Understand the social and economic needs of the patient and have knowledge of ethical dilemmas
- Conduct case presentations at conferences that show evidence of clinical perspective
- Demonstrate effective use technology to increase medical knowledge
SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 1, 3, 4, and 5 Residents:

- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Demonstrate proficiency in being a supportive mid-level team player providing appropriate communications between the younger members and the more senior members of the team
- Recognize and understand how different health insurance companies affect the treatment plan for patients
- Appropriate use of ordering tests in order to provide cost efficient care for patients
**General Surgery Residency Program**

**Goals and Objectives**

*Oakwood Hospital - General Surgery*

**Academic year:** 2008-2009
**Site Location:** Oakwood Hospital, 18191 Oakwood Blvd. Dearborn, MI.
**Division Chief:** Thomas Siegel, M.D.
**Assigned Residents:** PGY 3 and 4
**Length of Rotation:** PGY 3, and 4 Residents = 6-8 weeks

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**MEDICAL KNOWLEDGE**

**GOAL:** The resident will achieve detailed knowledge of the evaluation and management of the surgical patient

**PGY 3, and 4 Residents:**

- Describe presenting signs and symptoms of common general surgical problems
- Describe and discuss the treatment options for common surgical problems
- Master the complete contents for a major surgical text and expand procedures learned in atlases
- Demonstrate a good understanding of basic science principles applicable to surgery
- Systematically read specifically classic articles on cases to remain current
- Describe, evaluate and understand complex wound care
- Demonstrate proficiency in overall patient management both in and out of the operating room
- Remain current in readings with respect to the current surgical literature
- Demonstrate a thorough understanding of operative indications and contraindications
- Resident perform in depth readings on his/her cases
- Demonstrate understanding of medical practice finance and cost of care
- Demonstrate advance knowledgeable of complex wound care

**PATIENT CARE**

**GOAL:** The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

**PGY 3 Residents:**

- Be adept in emergency room diagnosis and treatment for surgical disease, including mastery of acute abdomen evaluation
- Demonstrate competence in the application of the principles of patient care and be adept at triage
- Formulate competent diagnostic and treatment plans
- Demonstrate competence in conducting advanced CPR with ICU patient and use of TPN ventilators
- Be adept in endoscopic procedures and surgical intensive care
- Demonstrate proficiency in complex operative procedures and acquire thorough understanding of abdominal surgery
- Be adept in outlining complete pre, intra and post-operative treatment plans in detail
- Conducting advanced CPR with ICU patient and use of TPN ventilators
- Demonstrate proficiency in emergency room diagnosis and treatment for surgical disease
PATIENT CARE Continued

GOAL: The resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

PGY 4 Residents:
- Be adept in endoscopic procedures and surgical intensive care
- Demonstrate competence in performing independently in all aspects of patient management
- Demonstrate proficiency in the treatment of usual surgical diseases and standard operative procedures
- Demonstrate advanced progression in critical care operative procedures
- Recognize the “limits” of surgical treatment
- Demonstrate competence in handling surgical complications
- Perform total surgical operations with good judgment, safety, and an acceptable level of technical skill

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates

PGY 3, and 4 Residents:
- Interact effectively with fellow residents and the multidisciplinary team on the service
- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Be able to handle and resolve conflict with patients
- Communicate effectively the treatment plans with patients and support staff
- Respond to patients and support staff questions in a positive manner
- Demonstrate competence in writing orders in a legible format

PROFESSIONALISM

GOAL: The resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

PGY 3, and 4 Residents:
- Relate as a team member with other residents from other departments
- Relate with all patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Be punctual and display effective time management skills
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems
- Demonstrate the ability to maintain composure in an emergency department environment
- Demonstrate the ability to maintain a mature relationship in the midst of adversity, especially, when family members and love ones learn about serious injuries to relatives
- Demonstrate the ability to resolve disagreements between patient relatives and members of the treating team
- Apply effective methods in calming the grieving relative
PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

PGY 3, and 4 Residents:

- Demonstrate competence and develop a sense of comfort in teaching and being a role model for medical students
- Use technology to increase medical knowledge
- Attend and actively participate in didactic presentations
- Demonstrate leadership and management skills by assuming responsibility for overall patient care and while fine tuning operative skills
- Demonstrate effective leadership and practice management skills by organizing and coordinating the clinical service so as to lead and guide more junior residents
- Conduct case presentations at conferences that show evidence of clinical perspective
- Recognize the social and economic needs of the patient with a good understanding of the ethical dilemmas
- Demonstrate effective leadership and organization by independently handling all aspects of patient management with close supervision from the attendings
- Demonstrate competence in teaching and being a role model for medical students
- Use technology to increase medical knowledge

SYSTEMS-BASED PRACTICE

GOAL: The resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

PGY 3, and 4 Residents:

- Demonstrating good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients
- Demonstrate proficiency in the appropriate use of ordering tests in order to provide cost efficient care for patients
- Demonstrate proficiency in being a supportive mid-level team player providing appropriate communications between the younger members and the more senior members of the team
- Provide efficient and informative consultations for other services
- Utilize the expertise of other services and support personnel
I. STRUCTURE

A research rotation is optional for core surgical residents. It may be one or two years long and occurs between the second and third or third and fourth years. During this time, the resident is relieved of all clinical responsibilities. The resident is matched to a primary investigator by mutual interests. The chairman and residency director helps in these selections so those active quality labs are selected. Residents are selected for research rotation based on their academic potential and interest along with adequate clinical performance in their junior resident years. The laboratory assigned is one involved in basic science research which may or not be directly related to surgery. Residents have chosen to pursue this rotation in the Department of Surgery in the sections of Cardiothoracic and General Surgery and basic science departments of Biochemistry, Pharmacology, Immunology and some in basic science laboratories in outside institutions.

II. COMPETENCY-BASED GOALS AND OBJECTIVES

Medical Knowledge and Practice Based Learning and Improvement

GOAL: The resident will understand the link between clinical and basic science research and apply these principles to the field of surgery. Upon completing this rotation the resident will be able to:

1. Research background material and previous work in the scientific literature regarding the field.
2. Master the field of investigation.
3. Design specific experiments with adequate control groups in order to answer specific aims of their research plan.
4. Think ahead to possible interpretations of the data and design the experiment to answer these questions prospectively.
5. Design experiments that are practical from an economic and labor standpoint.
6. Perform the experiments in a technically facile manner, interpret the results and draw conclusions supported by the data.
7. Perform a statistical analysis of the results and be able to report these results in an abstract and in complete scientific paper form.
8. Recognize various factors in writing and obtaining intra and extramural support for future research.
9. Describe and understand the link between clinical and basic science research.
10. Describe and understand the importance of the physician scientist in leading medical research.
11. Know the requirements of academic surgery.

III. SPECIFIC OBJECTIVES

1. Design, research, perform, interpret and report scientific experiments.
2. Master several advanced scientific techniques including but not specifically, techniques of molecular biology, physiological measurement, experimental animal handling and surgery.
3. Master specific statistical methods and general interpretation of statistics both specifically as research and generally in scientific surgical research.
4. Participate in clinical study designing or assisting implementation.
5. Present results of original basic science or clinical research work at national meetings/local forums.