GOALS AND OBJECTIVES FOR PGY3 CARDIOTHORACIC SURGERY RESIDENT ON HUP VASCULAR SURGICAL SERVICE

Description:
Residents will spend 3 months as a senior resident on vascular surgery at HUP and become proficient in the preoperative workup and postoperative care of common vascular surgical conditions. Residents will function as a senior resident assisting on basic and more complex open vascular surgery. Residents will also be introduced to the hybrid vascular operating room where they will obtain basic competence in percutaneous central access and wire skills as well as hands-on experience under attending supervision.

(1) Medical Knowledge
1. Anatomy, physiology, and pathology of the cardiovascular, respiratory, gastrointestinal, endocrine, and musculoskeletal systems.
2. Diagnostic evaluation and care of basic and complex surgical patients and procedures.
3. Pharmacology, indications, and complications of drugs commonly used in vascular surgery.
4. The natural history of treated and untreated vascular surgical conditions that a surgical resident would typically operate, including limb threat/gangrenous extremities, abscesses, varicose veins, and compartment syndrome as well as more complex operations such as carotid disease; lower extremity ischemia, and AAA.
5. Generalized principles of endovascular surgery, including candidacy and complications of abdominal aortic aneurysm stents. As well as basic wire skills and angiography.

(2) Clinical Skills
1. Perform an acceptable history and physical exam concentrating on the relevant areas in vascular surgery.
2. Evaluate inpatient, outpatient, and emergency department patients, ordering appropriate laboratory, radiological, and other diagnostic procedures demonstrating knowledge in the interpretation of these investigations.
3. Arrive at an acceptable plan of management, demonstrating basic knowledge in management of the disease process.
4. Provide daily patient care and discharge planning for patients on the surgical wards.
5. Ability to identify the critically ill patient, notify senior resident/attending physician, and elevate level of care appropriately.
6. Knowledge signs/symptoms/differentiation of claudication, limb ischemia, limb threat, and compartment syndrome.
7. Understanding signs/symptoms of carotid disease, including indications for carotid stents/endarterectomy and combined CABG/carotid endarterectomy.
8. Understanding of retroperitoneal and abdominal approaches to AAA as well as decision making between endovascular and open approaches.
9. Ability to interpret extremity angiogram.

(3) Patient Care
1. Develop technical skills in the performance of open operations at a senior level to include-carotid endarterectomies; lower extremity revascularization; open AAA repair as well as introduction to endovascular repair.

(4) Professionalism
1. The ability to communicate effectively with patients, their families and other members of the health care team.
2. The ability to be honest, reliable and respectful of the religious, racial, and gender characteristics of patients, their families and other members of the health care team.
3. The ability to understand the psychological needs of the patient facing potentially life threatening disease and surgery.
4. The ability to give and receive advice in a manner that is consistent with the harmonious operation of a health care team.
5. An awareness of the medico-legal aspects of vascular surgery.
6. An appreciation of the ethical aspects of vascular surgery.
7. An understanding of the obligation of continuing self-education and of teaching others, including medical students.
8. The ability to keep succinct, pertinent and current medical records.
9. The ability to recognize when to seek assistance from more experienced colleagues.
10. The ability to appreciate the importance of acquiring and maintaining an appropriate professional attitude in order to practice in any specialty.

(5) Interpersonal and Communication Skills
1. Establish therapeutic relationships with patients and families.
2. Obtain and synthesize relevant history from patients and families, and their communities.
3. Listen effectively.
4. Discuss appropriate information with patients and families, and the health care team.
5. Inform patients and families about their condition at an appropriate and understandable level.
6. Be sensitive and respond appropriately to issues of gender, culture, and ethnicity in dealing with patients and families.
7. Write clear consultation note/discharge summary/clinic note.
8. Prepare and present ward and ICU rounds in an organized manner.
9. Participate actively in scheduled rounds.

(6) Systems-based Practice
1. Utilize resources effectively to balance patient care and learning needs.
2. Allocate finite health care resources wisely.

(7) Practice-Based Learning and Improvement
1. Develop, implement and monitor a personal continuing education strategy.
2. Critically appraise sources of medical information.
3. Facilitate learning of patients, housestaff/students, and other health professionals.
4. Contribute to development of new knowledge.
5. Recognize gaps in knowledge and develop strategies to correct this by self-directed reading, and consulting with other professionals.
6. Contribute knowledge learned to service rounds.
7. Read around clinical cases.
8. Participate actively in scheduled morbidity and mortality conferences.
9. Participate effectively in teaching fellow professionals including medical students.

Method of assessment of resident academic performance
1. End of rotation online evaluation
2. Yearly in-service training exam.
3. Bi-annual case log review