GOALS AND OBJECTIVES FOR PGY4 CARDIOTHORACIC SURGERY RESIDENT ON HUP VASCULAR SURGICAL SERVICE

Description:
PGY4 residents function as chief on the vascular surgery service at HUP. Residents will run the vascular service and perform as primary surgeon complex vascular operations on complex vascular disease such as carotid endarterectomy; peripheral bypass, aneurysm surgery on the thoracic and abdominal aorta. Residents are introduced to the hybrid vascular OR obtaining proficiency 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, pathology and pathophysiology of treated and untreated vascular surgical conditions, including limb ischemia; small bowel ischemia; aneurysm disease of the thoracic and abdominal aorta. Generalized principles of endovascular surgery, including cardidacy and complications of abdominal aortic aneurysm stents. As well as basic wire skills and angiography.

(2) Clinical Skills
1. Provide daily patient care and discharge planning for patients on the surgical wards.
2. Knowledge signs/symptoms/differentiation of claudication, limb ischemia, limb threat, and compartment syndrome.
3. Understanding signs/symptoms of carotid disease, including indications for carotid stents/endarterectomy and combined CABG/carotid endarterectomy.
4. Understanding of retroperitoneal and abdominal approaches to AAA as well as decision making between endovascular and open approaches.
5. Ability to interpret extremity angiogram.

(3) Patient Care
1. Develop independence in the OR performing complex vascular operations under direct supervision.
2. Primary responsibility for the preoperative and postoperative care of the vascular patient under the supervision of the attending vascular surgeon.

(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. Actively participate in journal club.
10. 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.