PERIPHERAL VASCULAR SURGERY:

Objectives:

The objective of the programme is to produce competent and skilled vascular surgeons. The graduates of this programme will demonstrate patient advocacy, provide academic leadership in this specialty, and will contribute towards preventive and curative management of vascular and other diseases in the country.

Knowledge.

To provide broad and in depth knowledge about vascular diseases, principles of peripheral vascular surgery with special emphasis on the recent advances in vascular therapy.

Skills

- Fellow will acquire knowledge and expertise in critical care management.
- S/he will be expected to be able to demonstrate his/her knowledge particularly in decisions related to indications for surgery and patient management.
- Able to perform common emergency and elective vascular surgery procedures at the end of training.

a. Research:

- In the first year fellow is encouraged to start a research and which is completed before completion of 2 years training.
- Fellow is expected to make at least two presentations at National/ International meetings.
- Fellow is also expected to make at least 1 publications during these 2 years

Attitude and behavior:

The selected fellow is expected:
- To demonstrate professional honesty, dignity, confidentiality, discipline
- To lead by example and inculcate in him/her/self and his/her team members the virtues of collegiality,
- To communicate and consult in the best interest of the patient.
- To appreciate, understand and facilitate the need for multidisciplinary care.
- Behave as team leader and a role model for junior colleagues.

Content & Organization:

The program is structured to give increasing levels of knowledge, clinical skills, responsibility and independence appropriate for their educational level.

Duration of training:

This is a 2-year training program.
Eligibility

- MBBS or equivalent degree approved by the PMDC
- One year of house job or internship.
- Should have completed 4 years of Residency Training in General Surgery or equivalent
- FCPS Part 1
- FCPS Part 2 (preferred) or should be eligible for FCPS Part 2 qualifying examination

The positions are advertised nationally and short-listed candidates are interviewed by the faculty of Vascular Surgery and relevant AKU faculty. References are obtained via confidential telephone calls and letters from those considered knowledgeable about the candidate.

Year 1:

- Fellow will be rotating through
- Peripheral Vascular Surgery - 10 months
- Cardiothoracic surgery - One month
- Vascular Radiology - One month

Year 2

- Peripheral Vascular Surgery – 10 months
- Vascular Interventional Radiology – 2 months

Weekly Schedule:

The weekly schedule will be as follows:

- Two out-patient clinics.
- Two whole-day operative sessions.
- Two dedicated sessions for academic activities:

  **Session One**: Core curriculum

  **Session Two**: Journal club / Audit / Mortality and morbidity meetings.

  - One half day dedicated for fellow’s self-learning.

A proposed weekly schedule of the fellow can be like this. (Can vary)

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<td>0800-0900</td>
<td>Core Curriculum Session</td>
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<td>Surgical Grand Round</td>
<td>1st week: Journal Club 2nd Week: Audit Meeting</td>
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<td>3rd Week: Journal Club</td>
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<td>4th Week: VIR meeting</td>
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The **clinical responsibilities** will include;

- Patient assessment in the clinics
- Pre-operative management and preparation for surgery
- Post-operative management of the patient, treating potential complications of disease processes and operative procedures.
- Providing a plan for patient follow-up.
- Vascular consults generated in hospital.
- On call for vascular surgery as per schedule.

Surgical skills will be acquired by assisting in the operating room with gradual independence.

**Radiology Rotation:**

Basic objectives of rotation in vascular radiology will be

1. To learn basics of vascular imaging including Duplex Scan, CT scan, Magnetic resonance and digital subtraction angiogram.
2. To learn principles of radiation safety
3. To learn general principles of endovascular therapy
4. To learn basic techniques of common endovascular interventions like angioplasty, stenting and thrombolysis etc.

During this period the fellow will continue to attend all academic activities and take call.

**Cardiothoracic Rotation:**

Objectives of rotation in vascular radiology will

- To get experience of exposing great vessels of chest through different approaches
- To learn open–heart surgery strategies in order to be familiar with cannulation and bypass techniques.

During this period the fellow will continue to attend all academic activities and take call.

This is a 2-year training program.

**Evaluation:**

The fellow’s progress in knowledge, clinical and operative skills, and ethical management of patients will be evaluated on a continuous basis by the faculty involved in training. Formal evaluation of the fellow’s progress will be undertaken every six months. The fellow will be debriefed following each session by the Coordinator of the programme.

**Positions Available:**

One fellow is appointed every two years.
Teaching Faculty: Peripheral Vascular Surgery

Dr. Ziad Sophie  Diplomate American Board of Surgery  
Senior Lecturer,   
Director Vascular Surgery Fellowship Programme   
Department of Surgery,   
Aga Khan University Hospital Karachi, Pakistan

Dr. Iram Naz  FCPS, MRCS Ed   
Assistant Professor,   
Department of Surgery,   
Aga Khan University Hospital Karachi, Pakistan

Dr. Zia Ur Rehman  MBBS, FCPS   
Assistant Professor,   
Department of Surgery,   
Aga Khan University Hospital Karachi, Pakistan