

Pakistan Arthroplasty Society



Fellowship in Hip & Knee Arthroplasty



FELLOWSHIP GUIDE

Pakistan Arthroplasty Society Cabinet Members



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Liaquat National Hospital, Karachi.



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Message from President Pakistan Arthroplasty Society



It is indeed a matter of utmost gratification and immense pleasure for me to write these introductory words for the Pakistan Arthroplasty Society official fellowship guidebook.

The Pakistan Arthroplasty Society (PAS) although young has come a long way in its very short history and is expeditiously maturing into a leading professional organization. The reason of this remarkable success story lies in the constant emphasis on education and training. The society has set its focus on developing skills and promoting research among young orthopaedic surgeons interested in pursuing adult joint reconstruction as a career. This is evident by the launching of National and International Fellowship programs within the first year of the PAS formation. There are many more avenues still being explored to enhance opportunities for orthopaedic surgeons at different levels of seniority. I am sure the endeavors of this society are going to serve as an example for many more such organizations to come up and inculcate a culture of academics and research in the orthopaedic community at large in Pakistan.

I invite orthopaedic surgeons from across the country to participate in the academic events of the society and apply for our fellowship programs.

Prof. Syed Shahid Noor

President,
Pakistan Arthroplasty Society

Director,
Pakistan National Joint Registry

Head, Department of Orthopaedics
Liaquat National Hospital, Karachi.

Message from Director PAS Arthroplasty Fellowship



My great passion as an academic orthopaedic surgeon was to contribute towards orthopaedic training in Pakistan. My dream came true when I got the opportunity to establish orthopaedic residency training program at Aga Khan University. It is heartening to note that orthopaedic training in several Pakistani institutions has improved significantly in the last two decades.

There has been emergence of several sub specialty societies in the last few years. Pakistan Arthroplasty Society has been very dynamic and has carried out several Hip & Knee courses including live surgery and cadaveric workshops under the dynamic leadership of Prof. Shahid Noor.

The opportunities for higher training overseas have become increasingly difficult due to global socio political factors. In order to facilitate our young fellows desirous of a career in arthroplasty, Pakistan Arthroplasty Society has launched National Arthroplasty fellowship program.

Several centers have been approved for fellowship training in the country. PAS is exploring the opportunities for overseas fellowship training at centers of excellence as well. PAS has received very enthusiastic support from orthopaedic community due to on-going academic program. The fellowship program has been very well received by young orthopaedic surgeons. PAS has appointed me the Director of fellowship program. I will do my best to develop high quality training along with clinical research with support of PAS members.

I invite all young orthopaedic surgeons with special interest in Adult Reconstructive Surgery to apply for this fellowship.

Prof. Muhammad Umar, M.D.

Director,
PAS Arthroplasty Fellowship

Surgeon-in-Chief,
Institute of Orthopaedic and Surgery, Karachi.

Goals of Hip & Knee Arthroplasty Fellowship Program

- Further develop the skills and enhance the experience of trained orthopaedic surgeon in the specialized care of patients with disorders of the hip and knee.
- Increase the proficiency of fellows through improved understanding and application of new techniques and technologies related to adult reconstruction.
- Advancement of medical knowledge for fellows along the continuum of patient care.
- Enhance research opportunities for fellows in the area of arthroplasty.

Objectives of the Hip & Knee Arthroplasty Fellowship Program

The adult reconstructive service at the Inland and international centers recognized by Pakistan Arthroplasty Society is centered on the care of adults with simple and complex disorders of the hip and knee in a tertiary care environment. By combining the surgical and clinical experience of at least two faculty members, didactic training, clinical research experience and ongoing mentoring and evaluations from the faculty the fellow will be afforded every opportunity to achieve the goals of the program.

Clinical Training

- Through experience in the clinic, the fellow will be able to perform preoperative assessments of all patients, determine a differential diagnosis and offer treatment options to the faculty and patients including surgical and non-surgical treatment.
- The fellow will become proficient in the use of diagnostic radiographic and laboratory studies to create a preoperative plan of treatment for all patients.
- The fellow will be able to identify the best possible use of appropriate implants for patient treatment and exercise a high level of skill in using those treatment options &/or procedures.

- The fellow will be able to treat patients including primary hip and knee replacements under supervision.
- The fellow will manage the short and long term follow-up of surgical and non-surgical patients including the utilization of necessary rehabilitation modalities.
- The fellow will be proficient in all areas of patient record keeping and documentation.
- The fellow will improve his understanding of the social and economic issues that affect orthopaedic patients along the continuum of care.

Research Training

As an active member of the team the fellow will be prepared to have at least one article prepared for peer review journals/ presentation in National ORTHOCON. The fellow will actively maintain Pakistan National Joint Registry (PNJR).

Hip & Knee Arthroplasty Fellowship CORE CURRICULUM

- Relevant anatomy of the lower extremity.
- Biomechanics of the lower extremity during the gait cycle.
- Appropriate history taking skills for patients with hip & knee problems.
- Physical examination of patients with hip & knee problems.
- Indications & interpretation of diagnostic studies.
- Appropriate surgical approaches and procedures.
- Implant design and rationale of their use.

- Pre & post operative care:
 - Physiotherapy
 - Analgesia
 - Thromboembolism prophylaxis & treatment
 - Deformity assessment & methods of correction
 - Blood loss management
- Management complications
- Research Publication

Accreditation of Inland Training Centers

- Centers shall be identified by Executive Board of PAS on the basis of:

(a) Volume of arthroplasty

(b) Availability of recognized faculty
- Volume of arthroplasty: Centers where at least **100 joints** are replaced per annum would be considered for accreditation.
- Availability of faculty: Centers where at least **two faculty members** are available shall be given preference for accreditation.
- Accreditation status of centers shall be reviewed each year because of possible unavailability of faculty members.

Eligibility/Selection Criteria of the Fellow

1. The Fellow shall ideally be between 30-35 years of age but not more than 40 years old.
2. He should be holding qualification of FCPS/FRCS/MS in the discipline of Orthopaedic Surgery.

3. The selection of Fellows shall be on the basis of curriculum vitae and interview. A committee nominated by Pakistan Arthroplasty Society (PAS) executive board will be responsible for selection of fellows. Candidates with strong academic and research credentials will be given preference.
4. The Fellowship shall commence on 1st August each year. Number of Inland slots will be decided by the Executive Board of PAS according to availability of faculty members and number of centers fulfilling accreditation criteria in the country each year.
5. The Fellow shall be required to become a life time member of the PAS at the commencement of Fellowship.
6. The Fellow should have completed THA and TKA workshop conducted by PAS.

Stipend / Funding

The Fellow shall be paid Rs. 100,000/- per month for the whole duration of Fellowship. The Funds will be arranged by the PAS.

Responsibilities & Duties of the Fellow

- Assisting in arthroplasty cases.
- Assisting with the evaluation and management of outpatient arthroplasty patients.
- Pre-operative planning of all surgical cases and coordinating for special implants or equipment needed in the OR.
- Completion of at least one research project to be submitted for presentation at an National orthopaedic meeting and/or peer review journal.
- The Fellow shall be required to maintain surgical log book Fellowship training.
- The Fellow will be responsible for maintaining Pakistan National Joint Registry.

Supervisory Responsibility of the Faculty

The fellowship program functions within a preceptorship model which is designed to provide one on one feedback between the faculty member and the fellow. By working with the fellow in this model the faculty member can make careful observations, provide proper mentoring, and needed supervision &/or instruction of their assigned fellow while also providing feedback and suggestions as they progress through the training.

Vacation / Leave Policy

The Fellow shall be entitled to a total of 3 weeks vacation / leave during the Fellowship duration. Any fellow absent for more than one month (not including vacation) will be required to extend training to make up lost time.

Discipline Policy

If the faculty incharge deems a fellow's performance or conduct to be deficient, and the ordinary elements of the educational program or evaluations appear unconvincing, the faculty should informally counsel or administer corrective action to the fellow. Such communication may come in the form of an oral or written warning that failure to improve will result in formal discipline under this policy.

The PAS Executive board and Faculty incharge to which the fellow is assigned shall be responsible for discipline. The faculty incharge will meet with the fellow and provide oral or written justification for discipline. If a second disciplinary action is required, the following examples of disciplinary actions may be utilized:

- Oral notification to fellow with details of the problem;
- Written notification to fellow with details of the problem which could include copies of documents or other materials, such as evaluations, letters of complaint, attendance logs, written response and submission of materials from fellow;

- Additional supervision or specific directives for fellow with clear educational goals and performance expectations;
- Counseling, medical evaluation, and/or unpaid leave of absence;
- Probation leading to formal disciplinary action of suspension or dismissal.

Fellowship training at International Centers

Fellows completing inland fellowship successfully and in good standing shall be considered for placement at International centers of excellence in countries like Australia, Singapore and Malaysia for continued training in adult reconstruction. The placement liaison and funding shall be the responsibility of the PAS. Executive board of PAS taking into consideration performance during Inland Fellowship program shall do the selection of fellows for International Fellowships.

Fellows, Session

PAS International Fellows



Dr. M. Ather Siddiqi
Singapore General Hospital,
Singapore.



Dr. Syed Amir Ali Shah
Singapore General Hospital,
Singapore.



Dr. Tariq Hasni
Chang Gung Memorial Hospital,
Linkou, Taiwan.



Dr. Imran Bukhari
Singapore General Hospital,
Singapore.(to start fellowship in 2017)



Dr. Waqas Ali
University Hospital of Leicester
NHS Trust, UK



Dr. Muhammad Yasir Pervez
Australian Orthopaedic Association
Fellowship, Sydney, Australia



Dr. Irfan Muhammad Rajput
University Hospital of Leicester
NHS Trust, UK



Dr. Muhammad Jahangir Riaz
National University of Singapore

PAS National Fellows

Current Fellows Aug. 2017



Dr. Akram M. Aliuddin
CMH, Rawalpindi



Dr. Ali Amjed
Shifa International Hospital, Islamabad



Dr. Muhammad Imran Haider
IOS & LNH, Karachi

Past Fellows Aug. 2016



Dr. Hafiz Ahmed Fayyaz Bajwa
LNH & MC, Karachi



Dr. Kashif Siddiq
IOS, Karachi



Dr. Syed Ali Anwar Jilani
CMH, Rawalpindi



Dr. M. Irshad Khan
QIH, Islamabad

Past Fellows Aug. 2015



Dr. Syed Kashif Mehdi
CMH, Rawalpindi



Dr. Ghazanfar Ali Shah
LNH & MC, Karachi



Dr. Sher Afgan
GTTH, Lahore



Dr. Waqas Ali
IOS, Karachi

Past Fellows Feb. 2015



Dr. Muhammad Yasir Pervez
CMH, Rawalpindi



Dr. Imran Shabir Mughal
LNH & MC, Karachi



Dr. Noman Shakeel Niazi
GTTH, Lahore



Dr. Irfan Muhammad Rajput
IOS, Karachi

Past Fellows Aug. 2014



Dr. Roohullah Jan
CMH, Rawalpindi



Dr. M. Kazim R. Najjad
LNH & MC, Karachi



Dr. Ghulam Abbas Jafri
GTTH, Lahore



Dr. Muhammad Jahangir Riaz
IOS, Karachi

Past Fellows Feb. 2014



Dr. Obaid-ur-Rehman
CMH, Rawalpindi



Dr. Syed Imran Bukhari
LNH & MC, Karachi



NATIONAL HIP & KNEE ARTHROPLASTY FELLOWSHIP APPLICATION FORM (2-A)

SURNAME

GIVEN NAMES:

NATIONALITY:

DATE OF BIRTH: (MM/DD/YY) Age

IDENTIFICATION NUMBER:

IDENTIFICATION TYPE: CNIC ☐ PASSPORT ☐
(Tick Appropriate)

GENDER: MALE ☐ FEMALE ☐
(Tick Appropriate)

MARITAL STATUS: SINGLE ☐ MARRIED ☐
(Tick Appropriate)

Photograph
2 x 2 Inch

PRIMARY MEDICAL QUALIFICATION:

YEAR:

POSTGRADUATE MEDICAL QUALIFICATION: 1:

YEAR:

2:

YEAR:

PERMANENT ADDRESS:

P.O. BOX CITY COUNTRY

PHONE (RESIDENCE): MOBILE NO.

PERSONAL E-Mail

PRESENT WORK INFORMATION

POSITION SINCE

PHONE (OFFICE): PHONE (CELLULAR):

FAX (OFFICE): OFFICIAL E-Mail:

PREVIOUS 1. INSTITUTE POSITION FROM TO

CLINICAL 2. INSTITUTE POSITION FROM TO

EXPERIENCE 3. INSTITUTE POSITION FROM TO

ARE YOU INVOLVED IN CLINICAL RESEARCH? (Tick Appropriate) YES ☐ NO ☐

IF YES PLEASE PROVIDE REFERENCES OF PUBLICATIONS BELOW:

(Include copies of Published Manuscript with form)

(Up to 5 Entries – Preference to be given to research work on Arthroplasty)

1.
2.
3.
4.
5.

WHAT RESEARCH TOPIC WOULD YOU PROPOSE AS COMPULSORY PART OF YOUR 6 MONTH FELLOWSHIP?
(Give at least 2 Research Topics)

1. _____
2. _____

PLEASE PROVIDE DETAILS OF PAKISTAN ARTHROPLASTY SOCIETY WORKSHOPS/COURSES ATTENDED
(Include Name of Event and Date of Attendance – Copy of Certificate to be attached with this Form)

1. Course: _____ Venue: _____ Date: _____
2. Course: _____ Venue: _____ Date: _____

WRITE DOWN 2 OBJECTIVES OF YOUR CLINICAL FELLOWSHIP:

(Add Supplementary Sheet if Necessary)

1. _____
2. _____

REFERENCES:

1. NAME OF REFEREE: _____
INSTITUTE: _____ POSITION: _____

SIGNATURE: _____ OFFICIAL STAMP: _____
2. NAME OF REFEREE: _____
INSTITUTE: _____ POSITION: _____

SIGNATURE: _____ OFFICIAL STAMP: _____

I have read and understood the bylaws and guidelines of Pakistan Arthroplasty National Fellowship and accept hereby all conditions

(SIGNATURE OF APPLICANT)

DATE: _____

Please Enclose:

1. Updated Curriculum Vitae
2. Attested Copies of
 - (a) Medical School Diploma
 - (b) Postgraduate Diploma(s)
 - (c) Identification Document (CNIC – For Pakistani Nationals, International Passport for Foreigners)
3. 3 Recent Passport Size photographs taken against white background (1 to affixed on page 1 of this form)
4. Letter of Sponsorship by your clinic – for sponsored fellows only
5. Letters of Recommendation by Referees named above
6. Copies of published manuscripts

