



King Faisal Specialist Hospital and Research Centre

**BONE AND SOFT TISSUE PATHOLOGY
FELLOWSHIP TRAINING PROGRAM**

Department of Pathology & Laboratory Medicine

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I. INTRODUCTION

The Department of Pathology & Laboratory Medicine at King Faisal Specialist Hospital & Research Centre [General Organization] (KFSH&RC) offers a fellowship training program in Bone and Soft Tissue Pathology.

II. GENERAL OBJECTIVES

Bone and Soft Tissue Pathology Fellowship Program is a two-year program which is designed to provide in-depth experience for physicians who completed their surgical pathology residency training program. The training emphasizes practical, academic and administrative aspects of anatomic pathology practice, in order to produce a fully qualified Anatomic Pathologist with broad exposure to the subspecialty of bone and soft tissue pathology. The program offers an opportunity to evaluate and learn from an exceptionally diverse amount of pathology material in different aspects of bone and soft tissue pathology. Additionally the fellow will be provided professional supervision support and guidance for conducting one or more research projects. The department has an active bone and soft tissue pathology service with approximately six hundreds (600) cases per year.

III. SPECIFIC OBJECTIVES

1. To provide a broad and in-depth exposure to surgical pathology.
2. To enable fellows to function as Anatomic Pathologist with subspecialty training in bone and soft tissue pathology.
3. To enhance fellows' diagnostic skills and to increase their confidence in handling a wide variety of complex surgical pathology cases.
4. Fellows will participate in frozen section examination and rendering diagnosis under the supervision of staff pathologist.
5. Fellows will learn integration of various ancillary studies such as immunohistochemistry, electron microscopy, flow cytometry and molecular pathology.
6. The Fellow will have the chance to present cases at various clinico-pathologic conferences.
7. Fellows will assume responsibility for supervising and teaching residents.
8. Provide opportunities for collaborative research in all subspecialty areas.

IV. ADMISSION REQUIREMENTS

Candidates must have completed residency training in Pathology. Applicants should possess a Saudi Specialty Certificate or must have at least passed the written examination and registered for the final parts. Other candidates must possess an equivalent certification.

Candidates must have successfully completed a personal interview by the members of the department. Three recent letters of recommendation and a sponsorship letter should be submitted.

V. STRUCTURE OF TRAINING PROGRAM

A. Duration:

The program is for two years. The first 6 months will be devoted to enhancing the fellows' knowledge and experience in general surgical pathology and cytopathology. In the remaining one and a half year the fellows will undergo in depth subspecialty training in the field of bone and soft tissue pathology. At the beginning of the second year, the fellow will have the opportunity to start a research project under the supervision of one of the faculty members. The fellow will also be given the option to spend part of the training period in another appropriate center for maximum period of three months.

B. Training Capacity:

One fellowship position will be available.

C. Faculty Qualifications:

There are two consultants currently available in the section for supervising the fellowship training. One additional consultant who is trained in Bone and Soft Tissue Pathology at the University of Toronto, Canada is expected to join in August 2013.

MD or MBBS - Graduate, Bachelor's Degree in Medicine and Surgery

FRCPA - Fellow, Royal College of Pathologists of Australasia

FCAP - Fellow, College of American Pathologists

FRCPC - Fellow, Royal College of Physicians of Canada

FRCPath - Fellow, Royal College of Pathologists

VI. PROGRAM CONTENT

Year 1 (6 months): Surgical Pathology and Cytopathology

Service responsibilities in surgical pathology, including grossing and reporting of frozen sections and microscopic review of cases before sign-out of biopsies, large specimens; and outside consultations with the attending pathologists. Perform and sign-out of fine needle aspiration biopsies as well as sign-out of non-gynecologic and gynecologic cytology. As the fellow progresses in training, he or she will be given the opportunity responsibility for independent signing out of cases with minimal supervision. The fellow will be involved in Quality Control (QC) and Quality Assurance (QA) evaluation.

Year 1 & 2 (18 months): Bone and Soft tissue Pathology, and Research

The Fellow will devote the second year to the field of bone and soft tissue pathology. Fellow will be involved in all aspects of the sign-out of subspecialty cases under the supervision of a staff pathologist and will be fully responsible for interacting with the clinical and other staff for clinicopathologic correlations. Fellows will also be given responsibility for teaching the residents in pathology as well as those rotating from clinical specialties.

During the bone and soft tissue pathology training at KFSH&RC, the fellows will be exposed to a wide variety of entities including benign, borderline and malignant lesions, arising in adults and also pediatric population. Examples of these entities in soft tissue pathology include benign fibroblastic/myofibroblastic lesions, fibrous lesions, fibrohistiocytic lesions, lipomatous tumors, wide variety of myogenic tumors, vascular tumors, neural tumors and tumors of uncertain differentiation. The fellows will also be exposed to different varieties of bone tumors including benign and malignant bone forming tumors, cartilaginous lesions, vascular lesions, fibrous and histiocytic lesions, notochordal tumors, synovial tumors, metastatic tumors to bone, degenerative/inflammatory joint diseases, infectious diseases involving bone and joints, and bone diseases in inherited and metabolic conditions.

At the beginning of the second year, the fellow will be asked to identify an area of interest in the field of bone and soft tissue pathology for planning, organizing and conducting a research project. One or more faculty members will be assigned to oversee the project and to provide assistance and guidance in its execution. The fellows will be encouraged and guided in documenting their findings in the form of a manuscript for possible publication.

The fellow will be able to spend one month in the medical imaging department (musculoskeletal section) to learn how to correlate radiology with pathology which is crucial in diagnosing bone tumors. Additionally, this experience will be also be supplemented by attending/conducting the weekly multidisciplinary sarcoma meeting.

Two-week rotation will be arranged for molecular pathology which will enhance the fellows' capability in understanding the molecular tests (their uses, limitation and pitfalls). This experience will also be supplemented by integrating the molecular results with the microscopic findings of tumors with characteristic genetic alterations throughout the training.

The fellow will also be given the option to spend part of the training period abroad in a center of excellence in these tumors for a maximum period of two months.

Outside institution rotation within the Kingdom can be arranged with a subspecialized sarcoma pathologist, once available.

VII. EVALUATION AND PROMOTION

The fellow's level of competence and performance will be evaluated at a frequency determined by the Postgraduate Education Committee and in the manner as detailed in the Policy for Fellowship Training Program. A self-assessment examination covering the different topics in the subspecialty will be given at the end of the fellowship training program.

VIII. COMPLETION

A certificate of fellowship training at KFSH&RC will be awarded upon satisfactory completion of the requirements of the program.

IX. DUTIES, LEAVES & HOLIDAYS

Regulations governing duties, leaves and holidays are as stipulated in the Policy for Fellowship Training Program.