



**Service Priorities and Programmes**  
**Electronic Presentations**

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**Orthopedic operation-imaging registry**

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**Introduction**

A structural registry in orthopedic operation cases and corresponding imaging was established in the Department of Radiology and Imaging, Queen Elizabeth Hospital since 2016 for enhancement of imaging interpretation and patient care.

**Objectives**

To enhance imaging interpretation and patient care in orthopedic operation cases.

**Methodology**

Since 2016, the scheduled operation lists of the Departmental of Orthopedics and Traumatology were kindly shared to the Department of Radiology and Imaging, Queen Elizabeth Hospital. The operation lists were reviewed by musculoskeletal radiologists and cases with educational points were identified. The data of the orthopedic operation cases with relevant images available in the Radiology Information System (RIS) were regularly updated and entered to the departmental registry. These include patients ID, date and type of operation, date and sources of relevant images, and final pathology in tumor cases.

**Result**

From year 2016 to 2017, there were more than 500 case entries in the registry. They were grouped under the following categories: tumor, sports, trauma, joint, hand foot and ankle. The cases were regularly reviewed by musculoskeletal team members to enhance the knowledge of imaging appearance of various orthopedic entities, complete patient diagnosis to treatment journey, refresh the knowledge on current orthopedic operation standard, and correlate the intraoperative and imaging findings for promotion of imaging interpretation accuracy. The registry also allowed an easy access of individual cases under different selection criteria for research and educational purposes.