

Imaging and Interventional Radiology in Oncology

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Image Article

Modern cancer services can't be provided without medical imaging. Plain radiographs, ultrasonography (US), computed tomography (CT), fluoroscopy, nuclear medicine, and magnetic resonance imaging (MRI) are all examples of imaging modalities. From screening and diagnosis to monitoring, therapy, and end-of-life care, imaging is a part of the oncological patient pathway at multiple points. The specialization provides both diagnostic and, more recently, expanding interventional options [1].

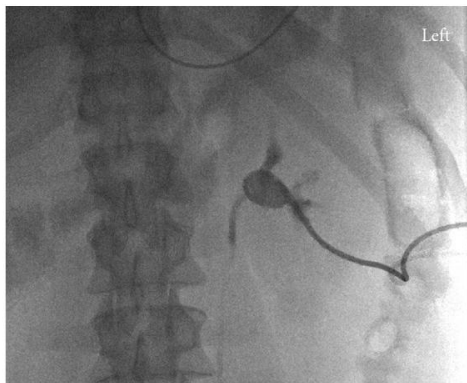


Figure 1: Interventional radiology in care of oncology.

Because of the scope of imaging in contemporary oncology, radiologists frequently subspecialize in a particular area. The value of cancer multidisciplinary teams (MDTs) lies in their capacity to utilize the expertise of surgeons, pathologists, radiologists, oncologists, and other specialists to create individualized treatment plans for patients. Primary and secondary opinions are increasingly sought on a regional or national level in this digital age. A much broader range of expertise is possible with larger imaging networks [2]. Oncology patients' treatment paths are outlined in this article in terms of some of the most important applications of medical imaging (Figure 1).

Modern oncology makes extensive use of imaging and interventional radiology, which many radiologists consider to be a significant portion of their daily work.

Acknowledgement

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Conflict of Interest

None

References

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