

## Recent Advances in Orthopedic Pathology, Old and New

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### Editorial

The Journal of Orthopedic Oncology is a journal whose aim is to serve as a forum for the promotion of current knowledge in the field of human pathology, it offers information in all aspects of primary, malignant tumors including primary bone sarcomas: osteosarcoma, Ewing's sarcoma, chondrosarcoma, chordoma etc. It also deals with diagnostic methods, therapeutic approaches, clinical, laboratory research and newer surgical techniques, including state-of-the-art prosthetic technology.

The Journal includes a wide range of fields in its discipline to create a platform for the authors to make their contribution towards the journal and the editorial office promises a peer review process for the submitted manuscripts for the quality of publishing. There have been several major advancements over the past few years in orthopedic pathology. First of all in is the wide variety of modern molecular methods including genetic and immunohistochemical studies. The second is outstanding surgical technologies and target drug therapy.

At the same time, the principles of so called "old school approach" is still valid.

Radiographic correlation and a "3D approach" with at least three specialists working as a team (orthopedic surgeon, radiologist and

pathologist) is an essential adjunct for the accurate diagnosis of orthopedic lesions, yet it is a skill neglected by young pathologists. The purpose of some publications is to demonstrate why performing this correlation is an essential part of the diagnostic process and not merely an interesting adjunct to the surgical pathology of orthopedic lesions. The relationships between X-rays and tissues are explored by newer radiologic technologies from different angles.

Bones are hard tissues; they are hard to biopsy, hard to process, and hard to interpret correctly. The use of vibrating saws and rapid decalcifying agents add artifacts to the problem. Imaging provides a complete picture that not only sees the process as a whole, but also puts a biopsy in its proper perspective, it helps to sample representative amount of tissue for histologic examination.

The major advancements in orthopedic pathology are obviously newer surgical techniques with minimally invasive procedures and excellent prosthetic structures, usage of bisphosphonates and anti-RANK-ligand drugs.

The Journal of Orthopedic Pathology is using Editorial Manager System that helps to provide a high quality in review process and publish exceptionally interesting materials.