

Surgical Techniques in Oncologic Orthopedics

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Abstract

Surgical intervention remains a fundamental pillar in the management of musculoskeletal tumors, and oncologic orthopedics.

procedure to achieve negative surgical margins, which is critical for reducing the risk of tumor recurrence [6].

Limb-sparing surgeries, also known as limb salvage procedures, have revolutionized the treatment of localized bone tumors, allowing patients to retain their affected limb while effectively removing the tumor [7]. These procedures aim to achieve the delicate balance between oncological control and functional preservation. Advances in surgical techniques, imaging, and prosthesis design have significantly improved the success rates of limb-sparing surgeries. The use of 3D-printed patient-specific implants and computer-assisted navigation has enhanced surgical precision and implant integration, ensuring

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