Special Issue

Clinical Treatment of Osteosarcoma

Message from the Guest Editor

Curative treatment for high-grade osteosarcoma consists of pre- and postoperative chemotherapy and surgery. Surgery often requires reconstruction. Most current protocols for localised disease include preoperative chemotherapy. MAP regimens with doxorubicin, cisplatin and high-dose methotrexate are the most commonly used first-line agents in paediatric and adolescent patients, but no new agents have been shown to be effective in the last 40 years. Treatment of recurrent osteosarcoma is primarily surgical in cases of solitary pulmonary metastases or local recurrence. And no standard treatment regimen has been established and chemotherapy with cytotoxic agents such as ifosfamide, cyclophosphamide, etoposide, carboplatin, gemcitabine, and docetaxel is used. More recently, novel treatment options such as chemotherapy with tyrosine kinase inhibitors such as regorafenib and cabozantinib and immunotherapy have improved survival, but clinical needs remain unmet. In this Special Issue, we welcome original or review articles that provide an overview of the latest findings and future challenges in high-grade osteosarcoma.

Guest Editor

Dr. Masanori Okamoto

Department of Orthopaedic Surgery, Shinshu University School of Medicine, 3-1-1 Asahi, Matsumoto 390-8621, Japan

Deadline for manuscript submissions

20 October 2025

Cancers

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed

mdpi.com/si/182912

Cancers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cancers@mdpi.com

mdpi.com/journal/cancers

Cancers

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed

mdpi.com/journal/cancers

MDPI

About the Journal

Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

Editor-in-Chief

Prof. Dr. Samuel C. Mok
Department of Gynecologic Oncology and Reproductive Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX 77030, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Oncology) / CiteScore - Q1 (Oncology)