

Surgical Pathology and Oncology Research

May 08, 2023 | Webinar

Received date: 10-03-2022 | Accepted date: 15-03-2022 | Published date: 31-05-2023

Wide resection, extracorporeal radiotherapy, ipsilateral vascularized fibula transposition, and internal fixation in a case of tibia diaphyseal Ewing's sarcoma

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A 24-year-old female patient was referred to our hospital with the diagnosis of Ewing's sarcoma localized in the left distal tibia. Neoadjuvant chemotherapy (CT) was completed for the patient who had localized disease. En-bloc resection of the tumor segment in the diaphyseal tibia, intraoperative extracorporeal radiotherapy, and then re-implantation of the segment after clearing the tumor was performed. Transfer of the ipsilateral pedicled fibula to the medulla of the irradiated segment was performed. As far as we know, the simultaneous application of extracorporeal radiotherapy and re-implantation method after resection of the tibial tumoral segment and the transfer of the ipsilateral fibula with its pedicle has not been previously reported in the literature. In this case, this new technique was accompanied by a satisfactory result.

Recent publications:

1. Distribution and evaluation of bone and soft tissue tumors operated in a tertiary care center (2019) - 52 citations
2. Epidemiology, incidence, and survival of synovial sarcoma subtypes: SEER database analysis (2020) – 40 citations
3. Outcomes of planned marginal and wide resection of sarcomas associated with major vascular structures in extremities (2022))

Biography

Recep Öztürk has completed his PhD at the age of 25 years from Gazi University, Turkey. He is the associate professor of health Science University, Dr. Abdurrahman Yurtaslan Ankara Oncology Training and Research Hospital, Turkey. He has over 150 publications that have been cited over 250 times, and has been serving as an editorial board member of reputed Journals.

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