## Periacetabular Resection & Custom Endoprosthetic Reconstruction for an Osteoblastic Osteosarcoma

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This is the case of a 20 year old male with a recurrent osteosarcoma of his right hemipelvis. Initially in 2021, the patient was diagnosed with a primary osteoblastic osteosarcoma within the right proximal femur, and underwent a proximal femur replacement with a tumor prosthesis. In the fall of 2023 a recurrence was suspected and confirmed. He was subsequently treated with neoadjuvant chemotherapy, followed by surgical resection and reconstruction with a custom-made hemipelvic endoprosthesis. The custom-made prosthesis was produced by Onkos surgical derived from the patient's CT scans, and contained an iliac wing, ischial, and superior pubic ramus component. Post-operatively, the patient successfully completed adjuvant chemotherapy, and is doing well overall with no signs of infection, prosthetic loosening/malalignment, or wound complications.