

Percutaneous Ablation and Stabilization of Metastatic Glenoid Lesion with a Photodynamic Resin Balloon

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Minimally invasive cement-augmented screw fixation for metastases, especially in the pelvis, has been shown to have a shorter recovery time than traditional open procedures while simultaneously attempting to restore a patient's weight bearing ability. More specifically, minimally invasive percutaneous screw fixation with cement augmentation, also known as the "screw and glue", has a much shorter recovery time while providing significant clinical benefits in mobility and weight bearing. This procedure utilizes imaging (C-arm, cone-beam CT, O-arm, and/or navigation) to facilitate percutaneous screw fixation through specific corridors to reinforce the weakened bone. While we have previously described this technique for pelvic metastatic disease, "screw and glue" for the glenoid is uncommon but with a similar goal of early weight bearing and restoration of function. In this video, we present a case of a patient with metastatic renal cell carcinoma who underwent glenoid stabilization with a photodynamic resin balloon.