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Video laparoscopic approach – Technique for sacral resection

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OBJECTIVES

Present our long term follow up after huge sacral tumor resection without reconstruction in the last 10 years we performed resection of huge sacral tumors in two steps, first anterior approach by videolaparoscopy to tie and isolated iliac vessels and posterior open approach to resection the tumor.

METHODS

From January 1990 to July 2010, we treated 74 patients with Primary Sacral Tumor in Santa Casa Medical School of Sao Paulo (Brazil) We exclude all cases treated exclusively by radiation therapy, metastatic lesions, multiple myeloma and lesions that doesn't need anterior and posterior approach. Considering 20 cases with huge primary bone tumor that need anterior and posterior approach to resect the lesion and performed the anterior approach by Videolaparoscopy.

RESULTS

We analyse all 20 cases with primary bone tumor and follow up from 38 to 312 months (average of 185 months). Epidemiology: All 20 cases diagnosis: 8 (40,0%) Chordoma, 7 (35,0%) Giant Cell Tumor, 2 (10,0%) Ewing's Sarcoma, 2 (10,0%) Chondrosarcoma and 1 (5,0%) Osteosarcoma. Complications: 4 post operatory infections 1 necrosis and colostomy 1 temporary colostomy 1 local recurrence.

CONCLUSIONS

We considering anterior approach by videolaparoscopy safe and save time for Sacral Resection and give satisfactory function for our patients.

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