

Bilateral laparoscopic adrenalectomy

Castillo, Octavio A.

Vitagliano, Gonzalo

Cortes, Oscar

Kerkebe, Marcelo

Pinto, Ivan

Arellano, Leonardo

Background and Purpose: Laparoscopic adrenalectomy has become the gold standard in the surgical management of adrenal pathology. Bilateral adrenalectomy is indicated in patients with Cushing's disease secondary to macroadenoma or hypophysial hyperplasia in whom medical treatment and transsphenoid surgery have failed. Also, it is the first choice for bilateral benign tumors and metastatic neoplasia. We present our experience with bilateral laparoscopic adrenalectomy, analyzing its indications, feasibility, results, and complications. Patients and

Methods: Between November 1999 and December 2005, 221 laparoscopic adrenalectomies were performed by the same surgeon (OAC) at our institution. Of the 221 adrenalectomies, 44 were bilateral. A total of 20 patients underwent bilateral synchronous laparoscopic adrenalectomy (91%); the remaining 2 had two-stage procedures. There were 6 cases of bilateral pheochromocytoma, 6 patients with Cushing's disease, 3 cases of metastasis, 3 congenital adrena