

Diaphragmatic injury during transperitoneal urological laparoscopic surgery

Lesión diafragmática durante la laparoscopia urológica transperitoneal

Castillo C., Octavio A.

Vitagliano, Gonzalo

Ivar Vidal, M.

Introduction: Capnothorax is a rare complication of urologic laparoscopy. However with the increasing use of this technique in a variety of urological procedures, this rare complication is a potential risk. Material and Methods: We analyzed a total of 786 urological procedures performed by transperitoneal laparoscopy in our center. All procedures were performed by the same surgeon: 213 adrenalectomy, 181 simple nephrectomies, 143 lymphadenectomies, 118 radical nephrectomies, 107 partial nephrectomies and 24 nephroureterectomy. Results: A total of 6 patients (0.7%) present diaphragmatic lesions. The diaphragmatic repair was performed totally intracorporeal. One patient required the placement of a pleural drainage. No patient presented complications associated with diaphragmatic injury. Conclusion: Repair of diaphragmatic injury during transperitoneal laparoscopy can be performed successfully by this route. This technique is feasible, reproducible and reliable. This is the largest series