



كلية الطب



جامعة الفيوم  
Fayoum University

3. البحث الثالث: بحث جماعي منشور

## Thoracoscopy in Management of Primary Lung Lesions in Pediatric Age

Kasr El Aini Journal of surgery -

الملخص الانجليزي:

Thoracoscopy has become an important wide field for the pediatric surgeon over the last decade. Thoracoscopy procedures are now used for a lot of pleural and parenchymal processes both benign and malignant.

A prospective study was presented on feasibility and limitation of thoracoscopy in primary lung lesions in pediatrics. This study was conducted on ten patients who were referred to pediatric surgical division of Cairo university specialized pediatric center during the period between May 2010 and May 2011 presenting with respiratory manifestations.

Ten patients underwent thoracoscopic management of their lung pathology. For 5 patients lung biopsy was done with average operative time of one hour. The other 5 patients underwent lobectomy with average operative time of three hours. One case of lobectomy (10%) was converted to open thoracotomy due to uncontrolled bleeding. There was a single case of air leak following lung biopsy and intercostal tube remained bubbling for 3 weeks post-operatively.

Thoracoscopic lobectomy and lung biopsy are feasible, safe and effective. Recent technologic advances have made the procedure technically easier. A thoracoscopic approach results in decreased post-operative pain, shorter hospital stay and superior cosmetic results. The greatest advantage is the avoidance of formal thoracotomy.

Key words: thoracoscopy, minimally invasive surgery, lobectomy.