



Lung resection

Nattachai Anantasit

In Ramathibodi hospital (1983-1997, N= 20)

- Indication for lung resection
 - Congenital cystic disease 45%
 - Persistent pneumonia and/or atelectasis with bronchiectasis 25%
 - Lung abscess 20%
 - Abnormal mass with recurrent hemoptysis 10%

Lung resection

- **Pneumonectomy:** Surgical removal of an entire lung
- **Lobectomy:** Surgical excision of a lobe
- **Segmentectomy:** Surgical excision of segment of lung
- **Wedge resection:** A surgical procedure to remove a triangle-shaped slice of tissue. It may be used to remove a tumor and a small amount of normal tissue around it



Preoperative evaluation

- Pulmonary function
- Calculation of predicted postoperative pulmonary function
- Measurement of gas exchange
- Exercise testing



Pulmonary function test

- $FEV_1 < 60\%$ predicted was strongest predictor of postoperative complication
- DLCO