

Pleural Covering Application for Recurrent Pneumothorax in a Patient with Birt-Hogg-Dube Syndrome.

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Abstract:

Birt-Hogg-Dube syndrome (BHDS) is a rare hereditary disease that presents with multiple lung cysts and recurrent pneumothorax. These cysts occupy predominantly the lower-medial zone of the lung field adjacent to the interlobar fissure, and some of them abut peripheral pulmonary vessels. For the surgical management of pneumothorax with BHDS, the conventional approach of resecting all subpleural cysts and bullae is not feasible. Thus, after handling several bullae by using a stapler or performing ligation as a standardized treatment, we applied to a pleural covering technique to thicken the affected visceral pleura and then to prevent recurrence of pneumothorax. We herein report the successful application of a pleural covering technique via thoracoscopic surgery to treat the recurrent pneumothorax of a 30-year-old man with BHDS. This technique is promising for the management of intractable pneumothorax secondary to BHDS.