

15th World Cardiac Surgery & Angiology Conference

December 08-09, 2016 Philadelphia, USA



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Completion pneumonectomy and re-resection of previously operated lung for drug-resistant pulmonary tuberculosis

We summarized the experience of performing repeated surgery for destructive pulmonary tuberculosis and other pathologies from 1984 to 2014. In total 276 (60.8%) pneumonectomy and pleuropneumonectomy and 178 (39.2%) lung re-resections were performed for recurrence of various diseases in the previously operated lung. 402 patients had a recurrence of pulmonary tuberculosis, 29 non-specific pathology and 25 lung cancer. 454 patients underwent 765 operations including 44 preliminary trans-sternal occlusions of the main bronchus, 276 pneumonectomy and pleuropneumonectomy, 178 re-resections, 23 resections of the only one lung, 14 thoracoplasty on the only one lung side, 32 operations for early postoperative complications. Extrapleural VATS thoracoplasty on the side of the first operation (by using our original method) were carried-out on 75 patients with pneumonectomy and at 123 patients with re-resections for the purpose of the prevention of postoperative recurrence in the only one lung in the presence of considerable focal changes or cavities. We explored frequency and character of the complications for re-operation and the risk factors of occurrence. Recommendations about the technique of performing of re-operations were developed that allowed to reduce the frequency of complications significantly. The postoperative mortality was 1% after pneumonectomy and pleuropneumonectomy. There was no mortality after re-resections. Full clinical effect reached in 94.9% cases as a result of the carried-out surgical treatment. Long-term results and long-term survival after surgery were studied.

Biography

Dmitry Giller is currently the Director of the University Clinic of Phthisiopulmonology. He is the Head of the Department of Phthisiopulmonology and Thoracic Surgery at IM Sechenov First Moscow State Medical University. He has completed his PhD at the Central Research Institute of Tuberculosis RAMS. In 1997 he has received the scientific title of Professor. He was the Chairman of the Society of Thoracic Surgeons of Moscow and Moscow region from 2014-2015. He is the author of more than 200 publications, including 35 patents, monographs and manuals for doctors and students.

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