

# Mikhail Perelman



29 March 2013 was a day of real mourning for all Russian thoracic surgeons - our Teacher, our Great Father, Academician Mikhail Perelman had died

# Mikhail Perelman was born 20 December 1924

He graduated  
from school 21  
June 1941.

The next  
morning fascists  
attacked the  
Soviet Union.



Perelman was evacuated and  
started his medical  
education in Siberia.



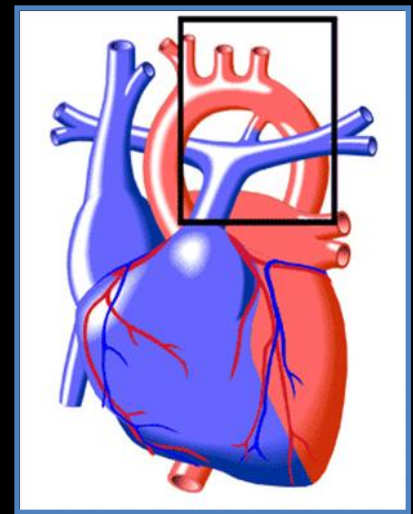
*Mikhail Perelman, 1945*

**He graduated from the Medical Institute in June 1945 in Jaroslavl and started his work as a general surgeon. He was interested in stomach surgery and the ideas of Rene Leriche about physiological surgery. The result of this passion was his PhD dissertation “Clinical and anatomical materials for Leriche’s operation” in 1947.**



*The view of Jaroslavl*

# Perelman's first step in the Cardio-Thoracic Surgery



Working in the library on his dissertation, he found the article of Robert Gross from Boston about the first case of successful ligation of the open Ductus Botalli. Perelman was interested in this and performed the first operation in the Soviet Union on 2 July 1949 under local anesthesia. He reported this case in the Medical Academy

14 ноября — понедельник  
Вечернее заседание  
Начало в 17 часов

Грудная хирургия и местное обезболивание

Н. Г. СТОЙКО	Значение работ А. В. Вишневого в хирургии туберкулеза легких	20 мин.
Г. М. НОВИКОВ и СМИРНОВА	Шейный вагосимпатический блок при травмах грудной клетки	15 мин.
Б. К. ОСИПОВ	Хирургия легких	—20 мин.
Б. А. ПЕТРОВ	Новый метод добавочной мобилизации тонкой кишки для искусственного пищевода	—20 мин.
А. М. КУДРЯВЦЕВА и Е. А. ПЕЧАТНИКОВА	Хирургическое лечение рака пищевода и кардии	—20 мин.
<b>М. И. ПЕРЕЛЬМАН</b>	<b>Хирургическая анатомия Батаалова протока (с демонстрацией больной)</b>	<b>—15 мин.</b>
Н. Я. ГАЛКИН	Топография Батаалова протока применительно к оперативным вмешательствам на нем	—15 мин.
В. М. СЕРГЕЕВ	Топография сосудов корня легкого применительно к операциям удаления легкого	—15 мин.

И. О. Директора Института хирургии  
имени А. В. Вишневого АМН СССР  
(Проф. А. А. ВИШНЕВСКИЙ)

Ученый секретарь Института  
(И-р мед. наук С. П. ПРОТОПОПОВ)

Л50141 от 29/Х—49 г. Тип. Изд. ва АМН. Зак. 1865. Тир. 300.



The photo of hospital, where was performed first ligation of Ductus Botalli



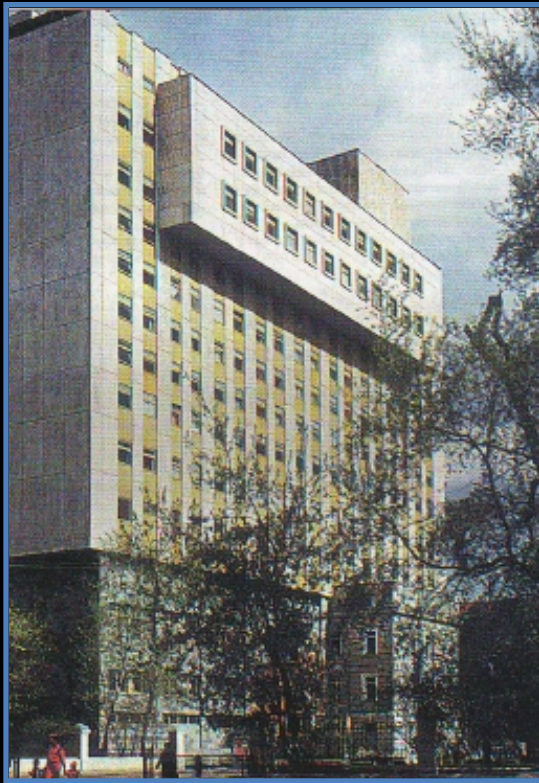
*Photo of Thoracic Surgery Chair, 1955*



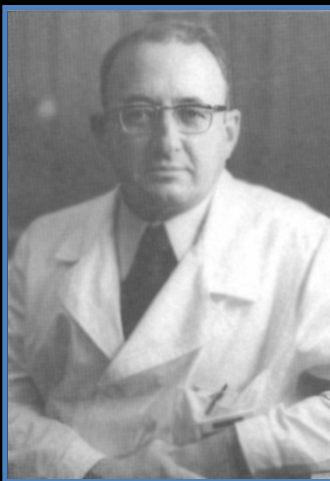
*In OR of TB-hospital, 1960*

At 1955 Perelman moved to Moscow and started work as an Associate Professor at first in the USSR Thoracic surgery chair of the Central Medical Postgraduate Institute. Perelman started work on the theme of TB-surgery, one of the main themes in his life. 5 years ago he reported about results of 1000 lung resections in cases of tuberculosis and produced a Doctoral dissertation "Lung resection in the surgery of tuberculosis" in 1961.

**From 1963 to 1981 Perelman worked in the Russian Centre of Surgery, under the supervision of Academician Boris Petrovsky.**



*Russian Centre of Surgery*

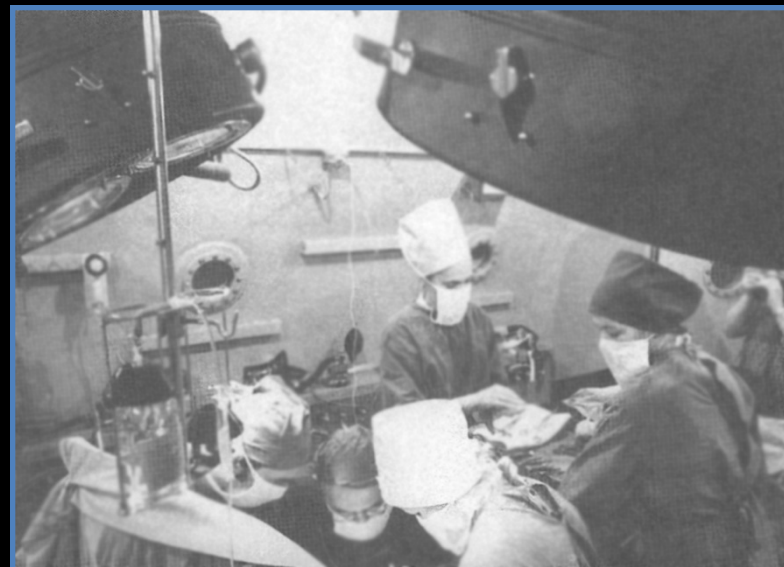
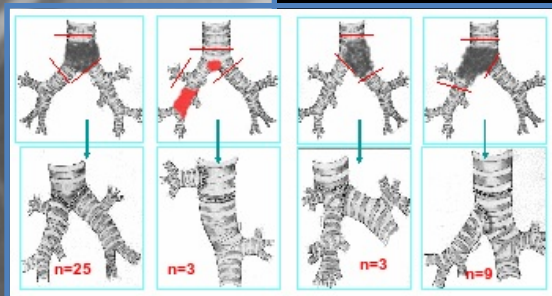
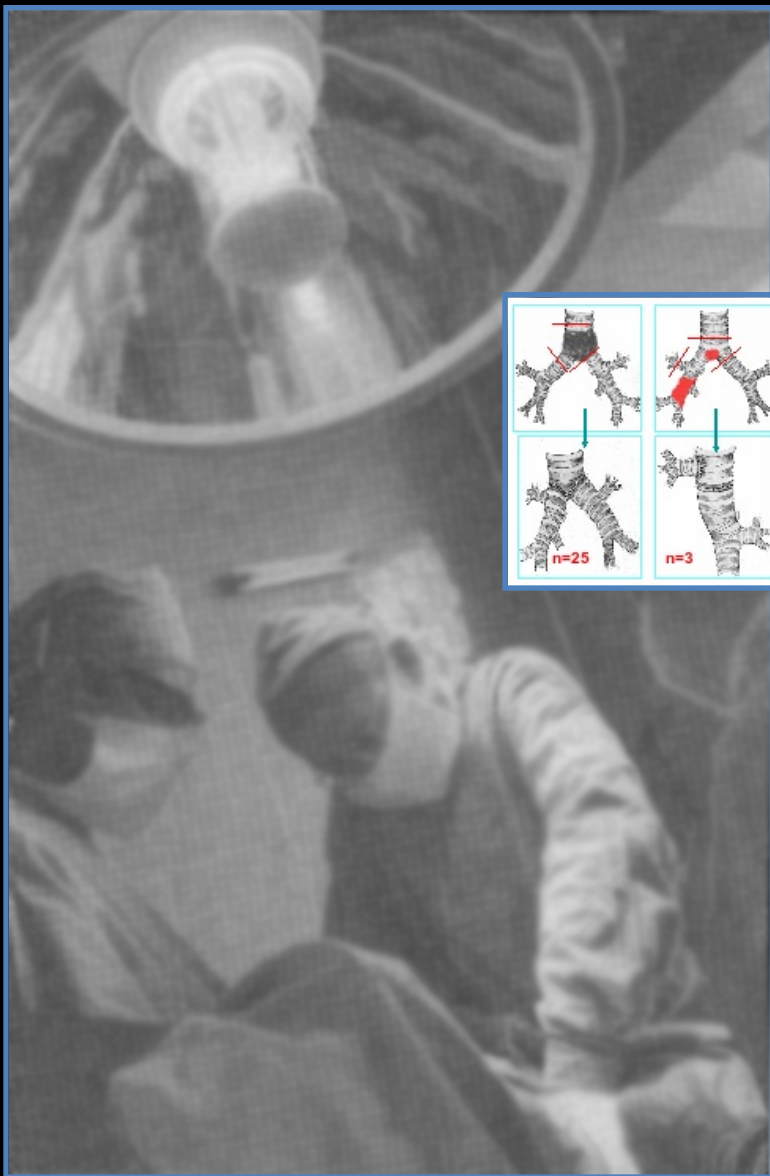


*Mikhail Perelman, 1977*



*Before the operation with Academician Boris Petrovsky*

# It was the most creative and the most interesting of Perelman's years

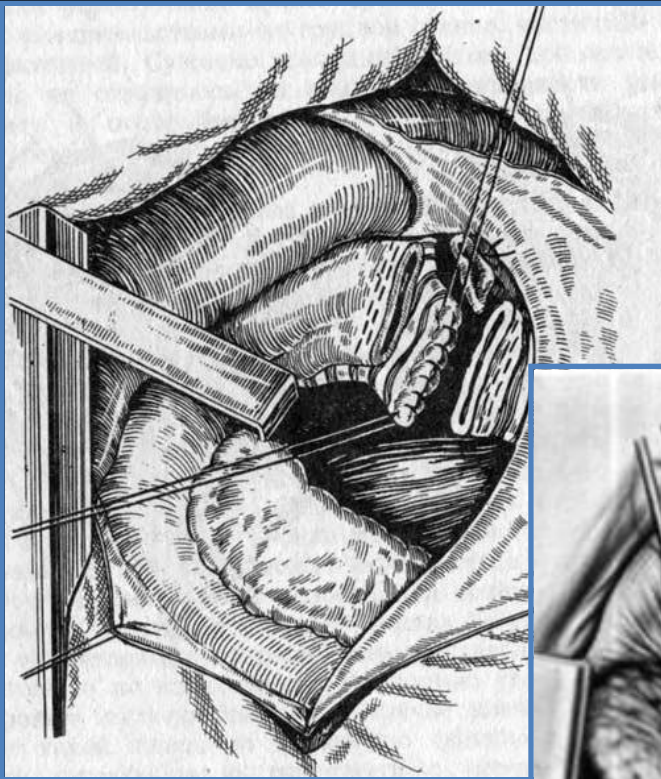


*The first operations on trachea and bronchi in the Soviet Union*

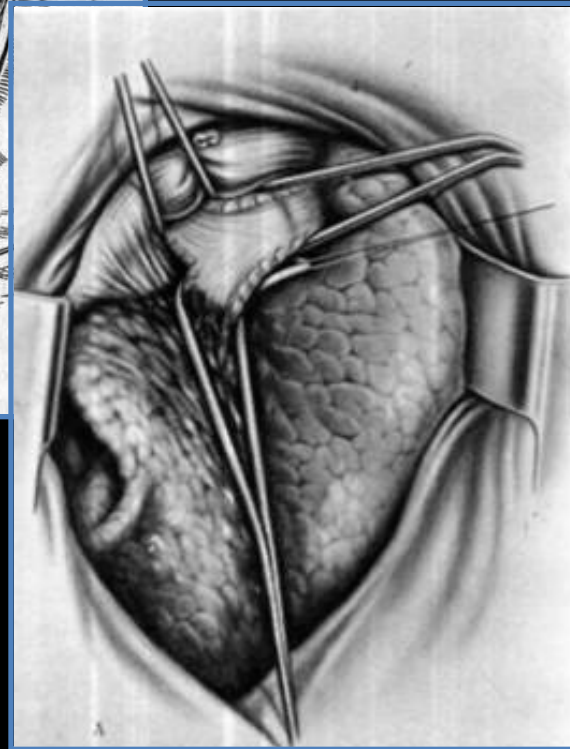
*The first operations in high oxygen pressure chamber*

**It was the most creative and the most interesting of Perelman's years.**

***The working out of the new approaches in case of  
bronchial fistula***



***Transsternal & parasternal***



***Controlateral***



***The new way of  
thoracotomy without wide  
cutting of muscle***

***(Vensan Dor in his letter to  
Philippe Nuarcler named it  
"Russian" or "Perelman's"  
thoracotomy)***



**It was the most creative and the most interesting of Perelman's years.**

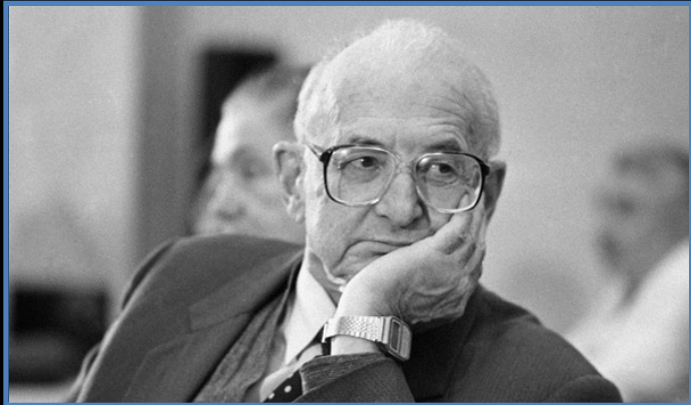


***First experience in lung transplantation – initially experimental, then first transplantation of a lung lobe from mother to child***

## **The most important articles of this period, which were published in international journals**

- ✓ Recision electrocautery for limited pulmonary resection. Coll: J.Cooper, T.Todd, R.Ginsberg, G.Patterson, G.Pearson // Ann. Thorac. Surg.- 1986.- v. 41, N 1, P.51-53**
- ✓ Bronchopleural fistula: Surgery after pneumonectomy. Int. trends in general thoracic surgery.- Philadelphia: Sunders Co, 1986.- v. 2.- P.407-412**
- ✓ Transpleuraler, transsternaler und kontralateraler Zugzugang bei Operationen wegen Bronchialfistel nach Pneumonectomie / Thoraxchir.- 1970.- v. 18, N 1.- S.45-47**
- ✓ Methods and technique of experimental autotransplantation of a lung lobe // J. Thorac. Cardiovasc. Surg.- 1970.- v. 59, N 2.- P. 275-282**
- ✓ Autotransplantation (Reimplantation) der lunge im Experiment / Zschr. Experim. Chir.- 1970.- v. 3, N 2.- S. 98-108**
- ✓ Surgery of the trachea // World J. Surg.- 1980.- v. 4, N 5.- P. 583-593**
- ✓ Novel operative approaches in thoracic surgery / Congr. Soc. Ital. Chir. Thorac., 21<sup>st</sup>.- Ed. Int., 1978.- v. 66.- p. 55-64**
- ✓ Benign tumors of the lung / Thorac. Surg. / Ed. N.Martini.- Mosby Comp.- 1989.- v. 5.- p. 313-325**

# From 1982 to his death Perelman worked in the Russian Institute of Phthisiopulmonology as the Director



*Mikhail Perelman,  
2000*



*Russian Institute of  
Phthisiopulmonology*



Until his death he was very active, constantly performed operations, wrote many articles and books, took part in many Russian and World Congresses, worked for health organisation in phthisiatry

# He was a Great Doctor



*Look at this pictures – he was not just a surgeon, he was a Great Doctor*



# He was a Great Doctor



*Look at this pictures – he was not just a surgeon, he was a Great Doctor*

# He was a Great Teacher



***He liked teaching young surgeons and he was a supervisor of more than a 100 dissertations***

# He was a Great Scientist

**Academician Perelman published:**

**Monographs – 24**

**Chapters in monographs – 32**

**Articles in encyclopedias – 35**

**Articles in journals – 263**

**Abstracts - 354**

# He discovered World Thoracic Surgery for Russia and Russian Thoracic Surgery for the World



*With Genry LeBrigan  
and Philippe  
Levasseur*



*With  
Vensan  
Dor*



*With Michael  
Nuarcler*



# He discovered World Thoracic Surgery for Russia and Russian Thoracic Surgery for the World



*With Peter Goldstraw*



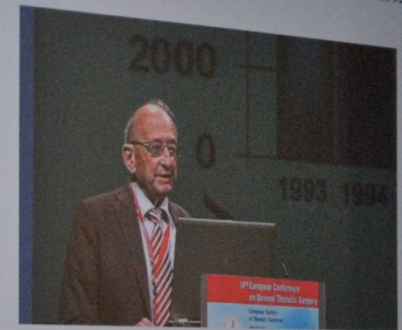
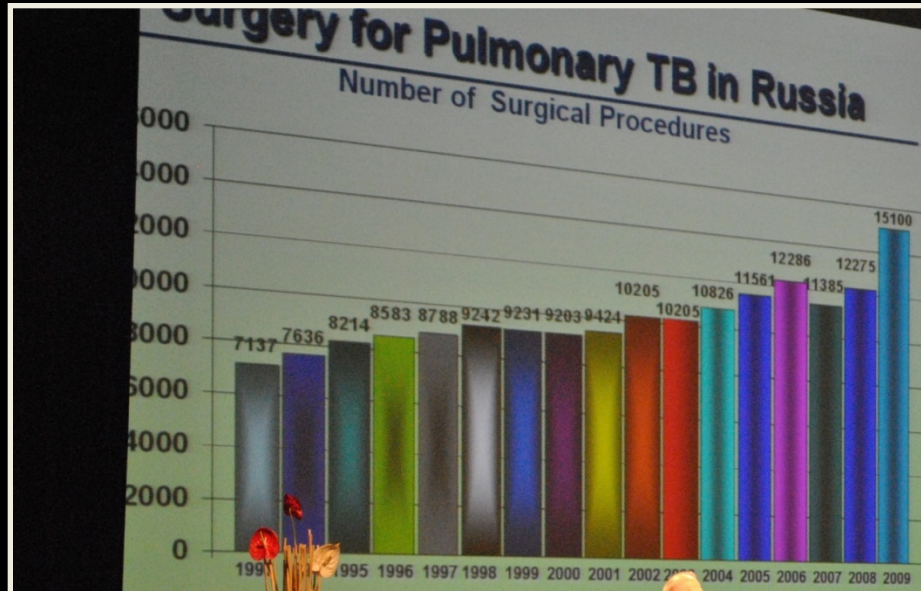
*With Hermes Grillo*



*With Joel  
Cooper*

# The important task of his life was the cooperation between Russian Surgeons and ESTS

*Photos from Valladolid, where he was elected as Honorary Member of ESTS, and from Marseille, where he was a lecturer at the amazing session "Old Masters"*



**His very important task was the cooperation between National Thoracic Surgery Section of the Russian Surgical Society which he founded and ESTS**

We all are standing on the shoulders of Giants...

**Sir Isaac Newton**

*Letter to Robert  
Hooke Nov 15, 1676*

