Con il Patrocinio di



CARCINOMA DEL POLMONE NON MICROCITOMA: QUALI NOVITA' PER IL 2016?

Coordinatore scientifico Stefania Gori

VERONA

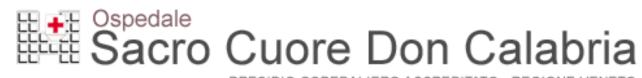
8-9 APRILE 2016 Hotel Leon d'Oro





La Chirurgia nel 2016: indicazioni e prospettive

Dr. Alberto Terzi
U.O. Chirurgia Toracica







The IASLC Lung Cancer Staging Project: Proposals for Revision of the TNM Stage Groupings in the Forthcoming (Eighth) Edition of the TNM Classification for Lung Cancer



Peter Goldstraw, FRCS, a,* Kari Chansky, MS, b John Crowley, PhD, b Ramon Rami-Porta, MD, Hisao Asamura, MD, Wilfried E. E. Eberhardt, MD, Andrew G. Nicholson, FRCP, Patti Groome, PhD, Alan Mitchell, MS, b Vanessa Bolejack, MPH, on behalf of the International Association for the Study of Lung Cancer Staging and Prognostic Factors Committee, Advisory Boards, and Participating Institutions

^aDepartment of Thoracic Surgery, Royal Brompton and Harefield National Health Service Foundation Trust and Imperial College, London, United Kingdom

^bCancer Research and Biostatistics, Seattle, WA, USA

^cDepartment of Thoracic Surgery, Hospital Universitari Mutua Terrassa, University of Barcelona, and CIBERES Lung Cancer Group, Terrassa, Barcelona, Spain

^dDivision of Thoracic Surgery, Keio University School of Medicine, Tokyo, Japan

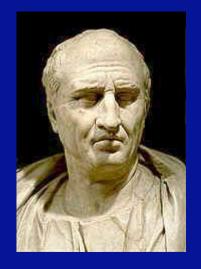
^eWest German Cancer Centre, University Hospital, Ruhrlandklinik, University Duisburg-Essen, Essen, Germany ^fDepartment of Pathology, Royal Brompton and Harefield NHS Foundation Trust and Imperial College, London, United Kingdom

⁸Queen's Cancer Research Institute, Kingston, ON, Canada

Dalle origini.... al 2016

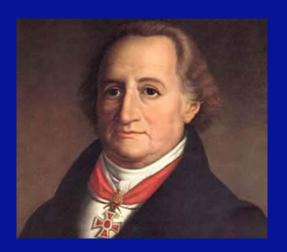
....un po' di storia, perché....

Non sapere che cosa è accaduto prima di noi è come restare sempre bambini



Cicerone 106 - 43 a.C.

Nulla sa della sua arte chi non ne conosce la storia



Goethe 1749 - 1832

..naturalmente li omini boni vogliono sapere

Leonardo da Vinci



Chirurgia

- Χειρουργια
 - Cheir-cheiros, mano
 - Ergon, lavoro



• Etimologicamente attività lavorativa manuale

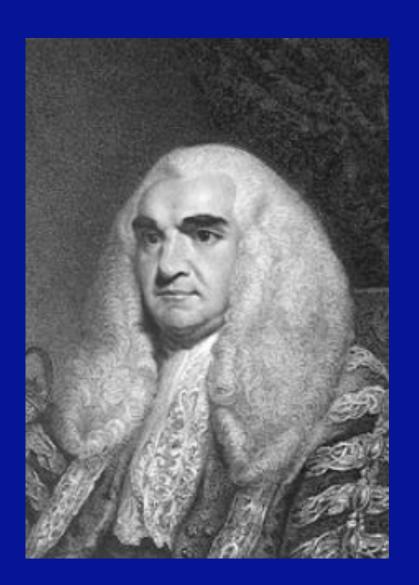
...attività lavorativa manuale non sempre molto amata...

Chirurgia Romana

- Plinio (N. H. XXIX, 7, 14)
 - I chirurghi hanno giurato fra di loro di sterminarci. E si fanno anche pagare!

Dal Rinascimento al XIX secolo

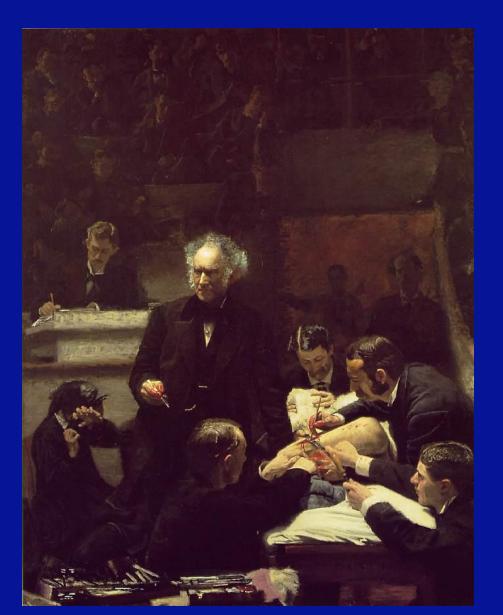
- Nella Chirurgia non c'è maggiore scienza che in una pinta di birra
 - Lord Thurlow
 - Dibattito parlamentare sulla nascita del Royal College of Surgeons (1811)



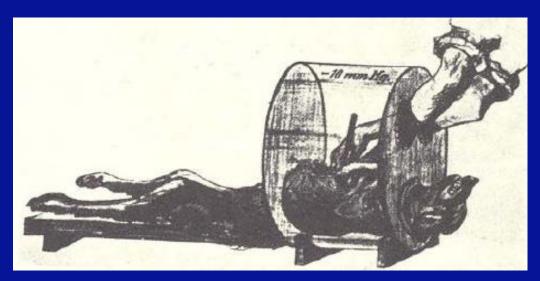
... e forse non a torto ...

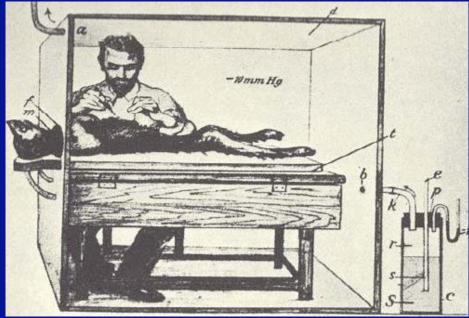
Chirurgia del XIX secolo

- Abiti borghesi
- Mani nude
- Strumenti sporchi e riutilizzati

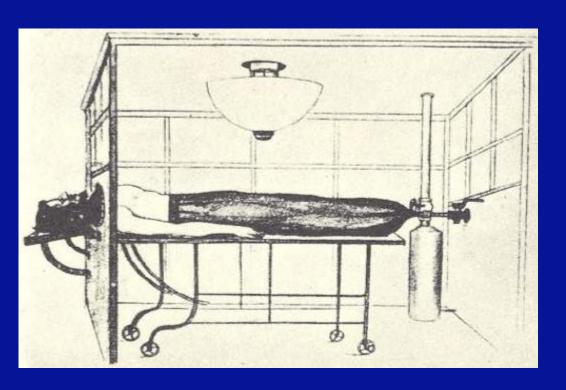


Chirurgia Toracica - 1904





Camera di Sauerbruck







History of Lung Cancer

- The most salient point in the history of lung cancer is that it was almost non-existent before the twentieth century.
- Adler reported 221 collected cases to 1900 and 374 to 1912.
- Cigarette smoking as etiology first suspected by Soemmerling.

Hugh Morriston Davies: first dissection lobectomy in 1912.

Hugh Morriston Davies (1879-1965), long before anybody else, performed the first anatomic dissection lobectomy for a tumor of the lung in 1912. (pz. Deceduto in 8 giornata)

He had introduced chest radiography and positive-pressure intra tracheal anesthesia the year before, thus making the diagnosis and operation of this lung cancer possible.

He concluded that lung cancer was accessible to surgical removal on condition of an early diagnosis.

1918: first successful lobectomy, by Harold Brunn

1933: first successful single-stage total pneumonectomy by Graham and Singer

1939: first segmentectomy, by Churchill and Belsey

I problemi tecnici erano le scissure, come separare i lobi riducendo al minimo le perdite aeree e la sutura del bronco

Altro problema la toracotomia

NGKA



YTL







GIA



TA

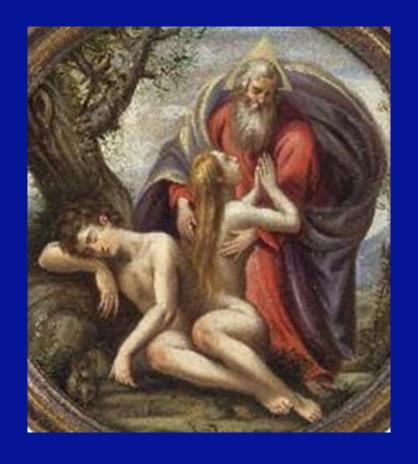








Toracotomie



"Dio il Signore fece cadere un profondo sonno sull'uomo, che si addormentò; prese una delle costole di lui, e richiuse la carne al posto d'essa. Dio il Signore, con la costola che aveva tolta all'uomo, formò una donna e la condusse all'uomo" (Gn 2:21,22).

Toracotomie

- Noirclerc	1973
- Mitchell	1976
- Bethencourt	1988
- Horowitz	1989
- Heitmiller	1989
- Ashour	1990
- Ginsberg	1993

- -Toracotomia postero-laterale
- Toracotomia laterale
- Toracotomia con risparmio muscolare
- Chirurgia Mini invasiva VATS







........... Tagli sempre più piccoli ma senza compromettere la radicalità oncologica.

Ma quanto piccoli?

3,5 - 4 cm





Sempre meno "invasivi" perche?

- Meno dolore e complicazioni
- Meno giorni di ospedalizzazione
- Più rapida ripresa delle attività preoperatorie

....e arriviamo al 2016

Lung Cancer
9:30 AM - 9:40 AM
9:40 AM - 9:50 AM
9:50 AM - 10:00 AM
10:00 AM - 10:10 AM

10.00 AIVI - 10.10 AIVI	
10:10 AM - 10:20 AM	
10:20 AM - 10:30 AM	
10:30 AM - 10:40 AM	
10:40 AM - 11:00 AM	
11:00 AM - 11:10 AM	

Segmentectomy

Michael Kent, Beth Israel Deaconess Medical Center

VATS Extended Resections

*Thomas A. D'Amico, Duke University

Robotic Resection

*Robert J. Cerfolio, University of Alabama at Birmingham

VATS Mediastinal Lymphadenectomy

*David R. Jones, Memorial Sloan Kettering Cancer Center

VATS Sleeve Resection

*M. Blair Marshall, Georgetown University

Multiple GGO Lesions

*Haiquan S. Chen, Fudan University Shanghai Cancer Center

3D Modeling

*Shanda H. Blackmon, Mayo Clinic

Panel Discussion

Coffee Break

Programma 2016 congresso AATS





Society of Thoracic Surgeons (STS) 52nd Annual Meeting

January 23 - 27, 2016

Phoenix, Arizona 📕 (🔅 🔅 🚖 🛣)

Organized by: SOCIETY OF THORACIC SURGEONS (STS)

Specialties: SURGERY, THORACIC SURGERY

STS/AATS TECH-CON 2016

2:45 PM Panel Discussion
Gilbert H. Tang, New York, NY

1:00 PM - 3:00 PM Room 120D

General Thoracic Track I: Lung Surgery of the Future

Moderators: Julian Guitron, Loveland, OH, and Michael F. Reed, Hershey, PA

1:00 PM Introduction

Sunil Singbal, Philadelphia, PA

1:05 PM Nodule Localization

Sunil Singhal, Philadelphia, PA

1:20 PM Energy for Pulmonary Artery Vessel Ligation

Moishe A. Liberman, Montreal, Canada

1:35 PM Lung Cryoablation

Matthew R. Callstrom, Rochester, MN

1:50 PM Veran Thoracic Navigation System

Jennifer W. Toth, Hershey, PA

2:05 PM Microlobectomy: A Novel Form of Video-Assisted

Thoracoscopic Lobectomy

Joel Dunning, Middlesbrough, United Kingdom

2:20 PM Minimally Invasive Lung Ablation Using Electromagnetic

Navigation Bronchoscopy and Cone Beam Computed

Tomography Imaging

Douglas J. Minnich, Birmingham, AL, and William Dickhans,

Boulder, CO

3:30 PM - 5:00 PM Room 120D

@ General Thoracic Track II: Advances in Robotic Tools and Technology

Moderators: Mark F. Berry, Stanford, CA, and Jeremiah T. Martin, Lexington, KY

3:30 PM DaVinci XI Firefly and Staplers

Bernard J. Park, New York, NY

3:45 PM Spy/Pinpoint

Min P. Kim, Houston, TX

4:00 PM Robotic Technology in Development

Mark R. Dylewski, Palmetto Bay, FL

4:15 PM Emerging Robotic Tools

David C. Rice, Houston, TX

4:30 PM New Robotic Platforms

Robert J. Cerfolio, Birmingham, AL

4:45 PM New Haptic Technology for Robotic Surgery

Mark W. Onaitis, Durham, NC



Society of Thoracic Surgeons (STS) 52nd Annual Meeting

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L'infinito problema dell'N2!!!



Point/Counterpoint: Does surgery play a role in N2 disease treatment following induction therapy?

POINT: Surgery has its uses for some BY DR. STEPHEN G. SWISHER When talking about the role of surgery after induction

therapy with persistent N2 disease, one must...

Pro- Con

plus ça change, plus c'est la même chose

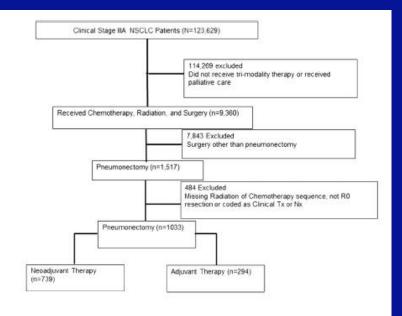
Jean-Baptiste Alphonse Karr

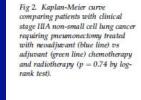
2016 Ritorno al....passato?

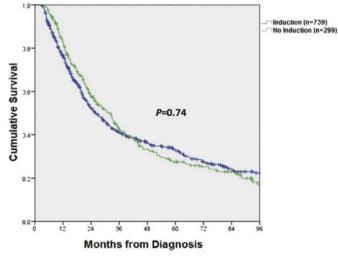
Pneumonectomy for Clinical Stage IIIA Non-Small Cell Lung Cancer: The Effect of Neoadjuvant Therapy

Stephen R. Broderick, MD, MPHS, Aalok P. Patel, BS, BA, Traves D. Crabtree, MD, Jennifer M. Bell, RN, BSN, Daniel Morgansztern, MD, Clifford G. Robinson, MD, Daniel Kreisel, MD, PhD, A. Sasha Krupnick, MD, G. Alexander Patterson, MD, Bryan F. Meyers, MD, MPH, and Varun Puri, MD, MSCI

Department of Surgery, Division of Cardiothoracic Surgery, St. Luke's Hospital, Chesterfield, Missouri; Department of Surgery, Division of Cardiothoracic Surgery, Department of Medicine, Division of Oncology, and Department of Radiation Oncology, Washington University School of Medicine, St. Louis, Missouri







Invasive mediastinal staging is irrelevant for PET/CT positive N2 lung cancer if the primary tumour and ipsilateral lymph nodes are resectable

www.thelancet.com/respiratory Vol 3 September 2015

*Eric Lim, Philip J McElnay, Gaetano Rocco, Alessandro Brunelli, Gilbert Massard, Alper Toker, Bernward Passlick, Gonzalo Varela, Walter Weder e.lim@rbht.nhs.uk

Academic Division of Thoracic Surgery, The Royal Brompton Hospital, London, SW3 6NP, UK (EL); Department of Cardiothoracic Surgery, Freeman Hospital, Newcastle University, Newcastle upon Tyne, UK (PJM); Division of Thoracic Surgical Oncology, Istituto Nazionale Tumori, Fondazione Pascale, IRCCS, Naples, Italy (GR); St James's University Hospital, Leeds, UK (AB); Service de Chirurgie Thoracique, Höpitaux Universitaires de Strasbourg, Strasbourg, France (GM); Istanbul University, Istanbul Medical School Department of Thoracic Surgery, Istanbul, Turkey (AT); University Medical Center Freiburg, Department of Thoracic Surgery, Freiburg, Germany (BP); School of Medicine and University Hospital, Salamanca University, Salamanca, Spain (GV); and Division of Thoracic Surgery, University Hospital Zürich, Zürich, Switzerland (WW)

Realtà e/o prossimo futuro

Curr Opin Anaesthesiol. 2016 Feb;29(1):20-5. doi: 10.1097/ACO.000000000000282.

Fast track in thoracic surgery and anaesthesia: update of concepts.

Loop T1.

Author information

Abstract

PURPOSE OF REVIEW: Update of key elements on enhanced recovery after thoracic anaesthesia and surgery.

RECENT FINDINGS: Pathways to enhance recovery after thoracic surgery (fast-track') aim to improve response to lung surgery, reduction of postoperative pulmonary complications, and restore patient's vital function. Uncomplicated recovery after lung surgery reduces morbidity, hospital stay, and costs. Video-assisted thoracoscopic surgery is a major part of enhanced recovery minimizing tissue injury and stress response. Maintaining patient's physiology throughout perioperative processes by optimized anaesthesiological management and effective pain control present a crucial role in improving outcome.

SUMMARY: The concept of enhanced recovery ('fast-track') after thoracic surgery and anaesthesia was developed in recent years making allowance to the increased number of video-assisted parenchymal lung resections in managing primary lung cancer. Current studies promote the benefit in thoracic surgical patients, if an established departmental protocol-based algorithm is implemented.

Journal of Thoracic Disease

J Thorac Dis. 2014 Jan; 6(1): 2–9. doi: 10.3978/j.issn.2072-1439.2014.01.16 PMCID: PMC3895586

Nonintubated thoracoscopic surgery: state of the art and future directions

Ming-Hui Hung, 1,2 Hsao-Hsun Hsu, 3 Ya-Jung Cheng, 11 and Jin-Shing Chen 13,4

<u>Author information</u> ► <u>Article notes</u> ► <u>Copyright and License information</u> ►

This article has been cited by other articles in PMC.

Abstract Go to: ♥

Video-assisted thoracoscopic surgery (VATS) has become a common and globally accepted surgical approach for a variety of thoracic diseases. Conventionally, it is performed under tracheal intubation with double lumen tube or bronchial blocker to achieve single lung ventilation. Recently, VATS without tracheal intubation were reported to be feasible and safe in a series of VATS procedures, including management of pneumothorax, wedge resection of pulmonary tumors, excision of mediastinal tumors, lung volume reduction surgery, segmentectomy, and lobectomy. Patients undergoing nonintubated VATS are anesthetized using regional anesthesia in a spontaneously single lung breathing status after iatrogenic open pneumothorax. Conscious sedation is usually necessary for longer and intensively manipulating procedures and intraoperative cough reflex can be effectively inhibited with intrathoracic vagal blockade on the surgical side. The early outcomes of nonintubated VATS include a faster postoperative recovery and less complication rate comparing with its counterpart of intubated general anesthesia, by which may translate into a fast track VATS program. The future directions of nonintubated VATS should focus on its long-term outcomes, especially on oncological perspectives of survival in lung cancer patients. For now, it is still early to conclude the benefits of this technique, however, an educating and training program may be needed to enable both thoracic surgeons and anesthesiologists providing an alternative surgical option in their caring patients.

Keywords: Thoracoscopy, lung cancer, intubation, anesthesia, intercostal nerve block, thoracic epidural anesthesia

Nonintubated anesthesia in thoracic surgery: general issues

Gabor Kiss¹, Maria Castillo²

Department of Cardiovascular and Thoracic Surgery, Anaesthesia and Surgical Intensive Care, University Hospital of Lille, Lille, France;

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Ann Transl Med 2015;3(8):110

²Department of Anesthesiology, Icahn School of Medicine, Mount Sinai Medical Center, New York, USA

Aumenterà casistica chirurgica?

Salvage Pulmonary Resection Following SBRT: A Feasible and Safe Option For Local Failure

Mara B. Antonoff, Arlene Correa, Boris Sepesi, Quynh-Nhu Nguyen, *Garrett Walsh, *Stephen Swisher, *Ara Vaporciyan, *Reza Mehran1, *Wayne Hofstetter, *David Rice

UT MD Anderson Cancer Center, Houston, TX

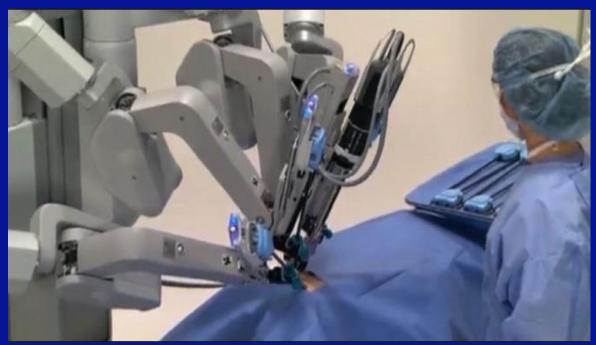
Objective: For inoperable patients with early staged non-small cell lung cancer (NSCLC) and pulmonary metastases, stereotactic body radiotherapy (SBRT) has surfaced as a reasonable therapeutic option. In recent years, use of SBRT for pulmonary lesions in potentially operable candidates has gained interest. However, the ideal management of local recurrence following SBRT remains unclear. As the use of SBRT for potentially operable patients with primary NSCLC and metastatic disease continues to expand, we may anticipate an increasing number of local failures that may require surgical salvage. In this study, we aimed to investigate the outcomes of pulmonary resection following local failure of SBRT.

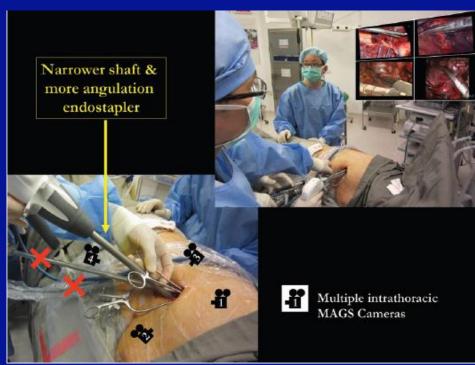
Methods: A retrospective review was conducted of patients at a single institution who underwent operative resection between 2009-2015 of pulmonary lesions previously treated with SBRT. Data were collected from a departmental database and supplemented with chart review. Variables collected pertained to demographics, comorbidities, histology, staging, radiation, operative details, recurrence, and vital status. In addition, a literature search was conducted to identify previous reports of pulmonary resection for local SBRT failures, in order to allow cumulative analyses of all previously published cases. Kaplan Meier analyses were performed to evaluate survival.

Results: 21 patients met inclusion criteria at our institution. Among these individuals, median preoperative FEV-1 and DLCO were 71% and 58% of predicted, respectively. Meidan time between SBRT and surgery was 16.2 months (range 6.4-71.5). Postoperative complications were seen in 7 (18.9%), with the most frequent complications being atrial arrhythmia and prolonged air leak (n = 2 for each, 5.4%). Recurrence occurred in 5/21 (23.8%), with a median time to recurrence of 36.2 months and median disease-free survival of 19.2 months. All post-operative recurrences were distant. 30-and 90-day mortality were both 1 (4.8%). The cumulative review included 37 patients at 4 institutions, comprised of 26 (78.8%) NSCLC and 11 (29.7%) pulmonary metastases. 8 (21.6%) were deemed medically inoperable at initial presentation. Overall median time between SBRT and surgery was 16.1 months (range 6.4-104 months). The median overall survival following surgery was 46.9 months, and 3-year survival was 70.1% (Figure).

Conclusions: Following local failure of SBRT, pulmonary salvage resection remains a viable option, with acceptable morbidity and reasonable survival. As indications for SBRT continue to expand, further studies to evaluate the optimal management for local failure are in need.

RATS





mini RATS ???







Robot con 4 braccia, consolle, robot con un braccio e più "mani"

Sempre più tecnologia ma.... Cosa cambia in termini di sopravvivenza per il paziente?

Specchio per le allodole?





The Best Way to Predict the Future is to Invent It

Alan Key



Grazie dell'attenzione