

Ensino em cirurgia torácica – Ensinando a técnica de lobectomia vídeo-assistida para o cirurgião aprendiz

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INTRODUÇÃO

A lobectomia pulmonar minimamente invasiva (LMI) comprovou ser técnica reprodutível, com excelentes resultados, menor agressão cirúrgica e melhor pós-operatório. Com a sedimentação da LMI e a necessidade de ensinar e treinar questionamentos surgiram sobre como ensinar a técnica. Cirurgiões experientes estão obrigando-se à aprender uma nova forma de operar e os novatos tem mais um procedimento para dominar. A evolução da técnica e dos materiais estão tornando as incisões menores determinando falta de segurança ao paciente operado por um cirurgião inexperiente em LMI. Com diferentes incisões e abordagens a busca ao caminho correto a ser seguido na obtenção da maestria é necessária.

MÉTODO

Estudo de revisão da literatura dos artigos na base Pubmed com os descritores “lung”, “lobectomy” e “training”. Buscou-se ainda nos artigos selecionados bibliografias pertinentes.

RESULTADOS

Recuperou-se 151 artigos e desses selecionamos 31 que correspondiam ao tema procurado. Além desses somou-se outros que eram citados nos anteriores e interessavam ao tema além de capítulos de livros pertinentes. No total colhemos 38 artigos e 1 capítulo de livro.



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BILLÈ, A. et al. Thoracoscopic lobectomy: Is a training program feasible with low postoperative morbidity? *General Thoracic and Cardiovascular Surgery*, v. 61, n. 7, p. 409–413, 2013.

BJURSTRÖM, J. M. et al. Simulation-Based Training for Thoracoscopy. *Simulation in Healthcare: The Journal of the Society for Simulation in Healthcare*, v. 8, n. 5, p. 317–323, out. 2013.

CHAUDHURI, N. et al. Effect of training on patient outcomes following lobectomy. *Thorax*, v. 61, n. 4, p. 327–30, 2006.

FANN, J. I. et al. Evaluation of simulation training in cardiothoracic surgery: The Senior Tour perspective. *Journal of Thoracic and Cardiovascular Surgery*, v. 143, n. 2, p. 264–272, 2012.

FERGUSON, J.; WALKER, W. Developing a VATS lobectomy programme - can VATS lobectomy be taught? *European Journal of Cardio-thoracic Surgery*, v. 29, n. 5, p. 806–809, 2006.

GONZALEZ, D. et al. Video-assisted thoracic surgery lobectomy: 3-year initial experience with 200 cases. *European Journal of Cardio-thoracic Surgery*, v. 40, n. 1, p. 21–28, 2011.

HARTWIG, M. G.; D'AMICO, T. A. Thoracoscopic Lobectomy: The Gold Standard for Early-Stage Lung Cancer? *Annals of Thoracic Surgery*, v. 89, n. 6, p. S2098–S2101, 2010.

IWASAKI, A.; OKABAYASHI, K.; SHIRAKUSA, T. A model to assist training in thoracoscopic surgery. *Interactive Cardiovascular and Thoracic Surgery*, v. 2, n. 4, p. 697–701, 2003.

JENSEN, K. et al. Simulation-based training for thoracoscopic lobectomy: A randomized controlled trial: Virtual-reality versus black-box simulation. *Surgical Endoscopy and Other Interventional Techniques*, v. 28, n. 6, p. 1821–1829, 2014.

JR, P. W. C.; JONES, D. R. Teaching video-assisted thoracic surgery (VATS) lobectomy. *Journal of Thoracic Disease*, v. 5(S3), p. S207–S211, 2013.

KIRBY, T. J.; RICE, T. W. Thoracoscopic lobectomy. *Ann Thorac Surg*, v. 56, p. 784–186, 1993.

KONGE, L. et al. No extensive experience in open procedures is needed to learn lobectomy by video-assisted thoracic surgery. *Interactive Cardiovascular and Thoracic Surgery*, v. 15, n. 6, p. 961–965, 2012.

LI, X.; WANG, J.; FERGUSON, M. K. Competence versus mastery: the time course for developing proficiency in video-assisted thoracoscopic lobectomy. *The Journal of thoracic and cardiovascular surgery*, v. 147, n. 4, p. 1150–1154, abr. 2014.

MEYERSON, S. L. et al. An Inexpensive, Reproducible Tissue Simulator for Teaching Thoracoscopic Lobectomy. *Annals of Thoracic Surgery*, v. 89, n. 2, p. 594–597, 2010.

OBUCHI, T. et al. O -the-job training for VATS employing anatomically correct lung models. *Surgery Today*, v. 42, n. 3, p. 303–305, 10 mar. 2012.

OKYERE, S. et al. Is the learning curve for video-assisted thoracoscopic lobectomy affected by prior experience in open lobectomy? *Interactive Cardiovascular and Thoracic Surgery*, v. 21, n. April, p. 108–112, 2015.

PETERSEN, R. H.; HANSEN, H. J. Learning thoracoscopic lobectomy. *European Journal of Cardio-thoracic Surgery*, v. 37, n. 3, p. 516–520, 2010.

REZNICK, R. K.; MACRAE, H. Medical Education Teaching Surgical Skills — Changes in the Wind. *N Engl J Med The New England Journal of Medicine* Downloaded from nejm.org on, v. 355, p. 2664–9, 2006.

RICHARDS, J. M. J.; DUNNING, J.; WALKER, W. S. Training in video-assisted thoracoscopic lobectomy. *Annals of Cardiothoracic Surgery*, v. 1, n. 1, p. 33–36, 2012.

ROVIARO, G. et al. Videoendoscopic pulmonary lobectomy for cancer. *Surgical laparoscopy & endoscopy*, v. 2, n. 3, p. 244–7, set. 1992.

SANDRI, A. et al. VATS lobectomy program: the trainee perspective. *Journal of Thoracic Disease*, v. 8, n. S4, p. S427–S430, 2016.

SOLOMON, B. et al. Simulating video-assisted thoracoscopic lobectomy: A virtual reality cognitive task simulation. *Journal of Thoracic and Cardiovascular Surgery*, v. 141, n. 1, p. 249–255, 2011.

TAIOLI, E. et al. Long-term survival in video-assisted thoracoscopic lobectomy vs open lobectomy in lung-cancer patients: A meta-analysis *European Journal of Cardio-thoracic Surgery*, 2013.

TEDDE, M. L. et al. Video-assisted thoracoscopic surgery in swine: An animal model for thoracoscopic lobectomy training. *Interactive Cardiovascular and Thoracic Surgery*, v. 21, n. 2, p. 224–230, 2015.

TONG, B. C. et al. Validation of a thoracoscopic lobectomy simulator. *European Journal of Cardio-thoracic Surgery*, v. 42, n. 2, p. 364–369, 2012.

WAN, I. Y. P. et al. Video-Assisted Thoracic Surgery Major Lung Resection Can Be Safely Taught to Trainees. *Annals of Thoracic Surgery*, v. 85, n. 2, p. 416–419, 2008.

YU, W. S. et al. Trainees can safely learn video-assisted thoracic surgery lobectomy despite limited experience in open lobectomy. *Korean Journal of Thoracic and Cardiovascular Surgery*, v. 48, n. 2, p. 105–111, 2015.

ZWISCHENBERGER, B. A.; D'AMICO, T. A.; TONG, B. C. How i teach a thoracoscopic lobectomy. *Annals of Thoracic Surgery*, v. 101, n. 3, p. 846–849, 2016.