

## **Artikel Passion Chirurgie 04/2018**

### **Die Hernienschule – Hernienchirurgische Weiterbildung mit internationalem Modellcharakter**

#### **Korrespondierender Autor:**

**Dr. med. Ralph Lorenz**

1. Vorsitzender des Landesverbandes Berlin im BDC  
Vorstandsmitglied der Europäischen Herniengesellschaft (EHS)  
2. Vorsitzender der Deutschen Herniengesellschaft (DHG)  
Praxis 3+CHIRURGEN  
Klosterstrasse 34/35  
13581 Berlin  
lorenz@3chirurgen.de

#### **Zitation:**

Stechemesser B, Reinpold W, Lorenz R. Die Hernienschule – Hernienchirurgische Weiterbildung mit internationalem Modellcharakter. *Passion Chirurgie*. 2018 April, 8(04): Artikel 03\_02.

#### **Literatur**

- [1] Reinpold W. Aktuelle Leistenhernienchirurgie. *Hamburger Ärzteblatt* 01/2015:28-31
- [2] Köckerling F, Berger D, Jost JO. What is a certified hernia center? The example of the German Hernia Society and German Society of General and Visceral Surgery. *Front. Surg.*; July 2014; Vol 1; Art.26:1-4
- [3] Simons MP, Aufenacker T, Bay-Nielsen M, Bouillot JL, Campanelli G, Conze J, de Lange D, Fortelny R, Heikkinen T, Kingsnorth A, Kukleta J, Morales-Conde S, Nordin P. European Hernia Society guidelines on the treatment of inguinal hernia in adult patients. *Hernia*. 2009 Aug;13(4):343-403
- [4] Bittner R, Arregui ME, Bisgaard T, Dudai M, Ferzli GS, Fitzgibbons RJ, Fortelny RH, Klinge U, Koeckerling F, Kuhry E, Kukleta J, Lomanto D, Misra MC, Montgomery A, Morales-Conde S, Reinpold W, Rosenberg J, Sauerland S, Schug-Pass C, Singh K, Tomoney M, Weyhe D, Chowbey P. Guidelines for laparoscopic (TAPP) and endoscopic (TEP) treatment of inguinal hernia [Internationals Endohernia Society (IEHS)]. *Surg Endosc*. 2011 Sep;25(9):2773-843
- [5] Miserez M, Peeters E, Aufenacker T, Bouillot JL, Campanelli G, Conze J, Fortelny R, Heikkinen T, Jorgensen LN, Kukleta J, Morales-Conde S, Nordin P, Schumpelick V, Smedberg S, Smietanski M, Weber G, Simons MP. Update with level 1 studies of the European Hernia Society guidelines on the treatment of inguinal hernia in adult patients. *Hernia*. 2014 Apr;18(2):151-63

- [6] Bittner R, Montgomery MA, Arregui E, Bansal V, Bingener J, Bisgaard T, Buhck H, Dudai M, Ferzli GS, Fitzgibbons RL, Fortelny RH, Grimes KL, Klinge U, Köckerling F, Kumar S, Kukleta J, Lomanto D, Misra MC, Morales-Conde S, Reinbold W, Rosenberg J, Singh K, Timoney M, Weyhe D, Chowbey P. Update of guidelines on laparoscopic (TAPP) and endoscopic (TEP) treatment of inguinal hernia (International Endohernia Society). *Surg Endosc*. 2015 Feb;29(2):289-321
- [7] Köckerling F, Koch A, Lorenz R, Schug-Pass C, Stechemesser B, Reinbold W. How long do we need to follow-up our hernia patients to find the real recurrence rate? *Front. Surg.* 2015 Jun 16;2:24
- [8] Aquina CT, Kelly KN, Probst CP, Iannuzzi JC, Noyes K, Langstein HN, Monson JR, Fleming FJ. Surgeon Volume Plays a Significant Role in Outcomes and Cost Following Open Incisional Hernia Repair. *J. Gastrointest Surg.* 2015 Jan;19(1):100-10
- [9] Aquina CT, Probst CP, Kelly KN, Iannuzzi JC, Noyes K, Fleming FJ, Monson JRT. The pitfalls of inguinal herniorrhaphy: Surgeon volume matter. *Surgery*. 2015 Sep;158(3):736-46
- [10] Al Jamal YN, Zendejas B, Gas BL, Ali SM, Heller SF, Kendrick ML, Farley DR. Annual Surgeon Volume and Patient Outcomes Following Laparoscopic Totally Extraperitoneal Inguinal Hernia Repairs. *J Laparoendosc Adv Surg Tech A*. 2016 Feb;26(2):92-8
- [11] Carlsen CG, Lindorff-Larsen K, Funch-Jensen P, Lund L, Morcke AM, Ipsen M, Charles P. Is current surgical training efficient? A national survey. *J Surg Educ*. 2014 May-Jun;71(3):367-74
- [12] Park AE, Zahiri HR, Pugh CM, Vassiliou M, Voeller G. Raising the quality of hernia care: Is there a need? *Surg Endosc*. 2015 Aug;29(8):2061-71
- [13] Kavic MS. Teaching and Training Surgery to the next Generation of Surgeon *JSLS*. 2011;15:279-281
- [14] Hope WW, O'Dwyer B, Adams A, Hooks WB 3rd, Kotwall CA, Clancy TV. An evaluation of hernia education in surgical residency programs. *Hernia*. 2014 Aug;18(4):535-42.
- [15] Zendejas B ,et al. Simulation based mastery learning improves patient outcomes in laparoscopic inguinal hernia repair: a randomized controlled trial. *Ann Surg*. 2011;254(3):502-509
- [16] Miserez M, Arregui M, Bisgaard T, Huyghe M, Van Bruwaene S, Peeters E, Penninckx F. A standardized resident training program in endoscopic surgery in general and in laparoscopic totally extraperitoneal (TEP) inguinal hernia repair in particular. *Surg Laparosc Endosc Percutan Tech*. 2009 Aug;19(4):e125-9
- [17] Bökeler U, Schwarz J, Bittner R, Zacheja S, Smaxwil C. Teaching and training in laparoscopic inguinal hernia repair (TAPP): impact of the learning curve on patient outcome. *Surg Endosc*. 2013 Aug;27(8):2886-93
- [18] Johnson TG, Hooks WB 3rd, Adams A, Hope WW. Safety and Efficacy of Laparoscopic Access in a Surgical Training Program. *Surg Laparosc Endosc Percutan Tech*. 2016 Feb;26(1):17-20

- [19] Abdelsattar JM, Pandian TK, Finnesgard EJ, El Khatib MM, Rowse PG, Buckarma EN, Gas BL, Heller SF, Farley DR. Do You See What I See? How We Use Video as an Adjunct to General Surgery Resident Education. *J Surg Educ.* 2015 Nov-Dec;72(6):e145-50
- [20] Zahiri HR, Park AE, Pugh CM, Vassiliou M, Voeller G. "See one, do one, teach one": inadequacies of current methods to train surgeons in hernia repair. *Surg Endosc.* 2015 Oct;29(10):2867-72
- [21] Villegas L, Schneider BE, Callery MP, Jones DB. Laparoscopic skills Training. *Surg Endosc.* 2003;17:1879-88
- [22] AlJamal YN, Ali SM, Ruparel RK, Brahmbhatt RD, Yadav S, Farley DR. The rationale for combining an online audiovisual curriculum with simulation to better educate general surgery trainees. *Surgery.* 2014 Sep;156(3):723-8
- [23] Khatib M, Hald N, Brenton H, Barakat MF, Sarker SK, Standfield N, Ziprin P, Kneebone R, Bello F. Validation of open inguinal hernia repair simulation model: a randomized controlled educational trial. *Am J Surg.* 2014 Aug;208(2):295-301
- [24] Kurashima Y, Feldman LS, Kaneva PA, Fried GM, Bergman S, Demyttenaere SV, Li C, Vassiliou MC. Simulation-based training improves the operative performance of totally extraperitoneal (TEP) laparoscopic inguinal hernia repair: a prospective randomized controlled trial. *Surg Endosc.* 2014 Mar;28(3):783-8
- [25] Rowse PG, Ruparel RK, Abdelsattar JM, AlJamal YN, Dy BM, Farley DR. TEP and Lichtenstein anatomy: does simulation accelerate acquisition among interns? *Hernia.* 2016 Jun;20(3):211-6
- [26] Pugh CM, Arafat FO, Kwan C, Cohen ER, Kurashima Y, Vassiliou MC, Fried GM. Development and evaluation of a simulation-based continuing medical education course: beyond lectures and credit hours. *Am J Surg.* 2015 Oct;210(4):603-9
- [27] Lorenz R, Stechemesser B, Reinbold W. Ausbildung in der Hernienchirurgie: Hernie kompakt – junge Chirurgie als 3-tägiger Weiterbildungskurs. In Hernien (Hrg. Schumpelick, Arlt, Conze, Junge) 5. Auflage (2014) Kapitel 6.1.
- [28] Stechemesser B, Jacob DA, Schug-Paß C, Köckerling F. Herniamed: an internet-based registry for outcome research in hernia surgery. *Hernia.* 2012 Jun;16(3):269-76
- [29] Palumbo P, Turano R, Gallinaro LS, Bertagni A, Montesano G, Forte A, Angelici AM. Inguinal hernia repair in a teaching course for surgeons. A training program. *G Chir.* 2001 Oct;22(10):321-4.
- [30] Lorenz R, Stechemesser B, Reinbold W, Fortelny R, Mayer F, Schröder W, Köckerling F. Development of a standardized curriculum concept for continuing training in hernia surgery: German Hernia School. *Hernia.* 2016 Dec 28. doi: 10.1007/s10029-016-1566-7. [Epub ahead of print]
- [31] Lazzarini-Mendes CJ, Pacheco AM Júnior, Destro BB, Tamaro C, Nogueira FA, Chen D, Reinbold W, Bruscagin V, Roll S, Silva RA. Systematic training model for teaching, development and training of instructors in inguinal hernia treatment using the Lichtenstein technique. *Hernia campaign 2014 & 2015.* *Rev Col Bras Cir.* 2016 Sep-Oct;43(5):382-391. doi: 10.1590/0100-69912016005018.