

Curriculum Vitae

Name: Nicole D. Bouvy
Date: October, 2015

1. Personal details

Name: Nicole Dorine Bouvy
Home address: Kapelweg 6
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The Netherlands
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Email: kannekens.bouvy@wxs.nl
Date of birth: January 19, 1969, Amsterdam
Nationality: Dutch
Sex: Female
Other: Married (M.C.A. Kannekens), 3 children (1999, 2002, 2004)

2. Professional details

Address: Maastricht University Medical Center
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3. Training (including graduation)

1980-1986	"Johan van Oldenbarnevelt" Gymnasium-β, Amersfoort
1986-1993	Medical Doctor degree (<i>cum laude</i>), Erasmus University Rotterdam
10.12.1997	PhD (<i>cum laude</i>), Erasmus Medical Center, Rotterdam. <u>Thesis:</u> ' <i>Metabolic and Oncological Consequences of Laparoscopic Surgery</i> ' Promotor: Prof. Dr J. Jeekel Copromotor: Prof. Dr H.J. Bonjer
01.01.2002	Registration as surgeon
01.01.2011	Associate Professor of Surgery (UHD)
01.09.2014	Professor of Surgery, Innovative Surgical Techniques, MUMC

Education

May 2003	Problem based education (2 day course)
Nov 2004	Tutor training (2 days course)
Oct 2006	"Toetsen op de werkplek"
June 2008	"Toetsen op de werkplek"
May 2011	Good Clinical Practice
May 2013	"BKO certificate"
Sept 2013	Yellow belt training
Jan 2015	Executive belt training
Feb 2015	Operational Excellence training
April 2015	BCT (basic clinical teaching) course
Oct 2015	"Avicenna leiderschapstraject"
Oct 2015	Good Clinical Practice

4. Professional appointments

1993-1995	PhD Researcher Department of Experimental Surgery (Dr R.L. Marquet) Erasmus University Rotterdam
1996-1998	Surgical Resident Ikazia Hospital Rotterdam (Dr H.F. Veen)
1999-2001	Surgical Resident Erasmus Medical Center, Rotterdam (Prof. Dr H.A. Bruining)
2002	Fellow Endoscopic and Endocrine Surgery Erasmus Medical Center, Rotterdam (Prof. Dr H.J Bonjer)
2003	Staff member Department of Surgery Erasmus Medical Center, Rotterdam (Prof. Dr J. Jeekel)
May 2003	Staff member Department of Surgery University Hospital Maastricht (Prof. Dr M. Jacobs)

5a. Clinical experience

The Dutch surgical education approach withholds continuous intensive clinical experience over a period of 6 years (1996-2001). After an additional surgical fellowship in 2002, I initially joined the surgical staff of the Erasmus Medical Centre, Rotterdam, then moved to join the surgical staff at the University Hospital Maastricht. The specific area of interest within the surgical staff at the University of Maastricht is the applied development of new surgical techniques to make surgery less invasive; the assignment is characterized by numerous international visits to health care centers around the globe and the development of an extensive international network of the world's leading professionals and industries related to the development and application of new surgical techniques concerning reflux, obesity and laparoscopic colon surgery.

5b. Main clinical interest (in chronological order)

1993: development of a laparoscopic animal (rat) model, using a new technology to study the impact of laparoscopy on tumor growth. Exposure and contribution to a world wide network of researchers in this and adjacent areas.

1995: organization of the 1st international laparoscopic rat congress at the Erasmus University Rotterdam (participants from a.o. USA, UK, Germany, Austria, Switzerland)

- 1996-2003: application of various new techniques in endoscopic surgery, e.g. laparoscopic adrenalectomy, donor nephrectomy, splenectomy, hernia repair, colon resections.
- 2003: Introduction of the 'da Vinci' robot in surgical practice. Europe's first laparoscopic robot operation with the four armed da Vinci system (Academic Hospital Maastricht)
- 2006: Phase 3 clinical trial transoral Nissen fundoplication using the Esophyx technique
- 2007: Introduction of a new transoral technique (Endobarrier) to lose weight in morbidly obese patients. First trial comparing diet with the endobarrier technique. New trials are currently being introduced to investigate clinical efficacy of these new techniques.
- 2008-current: Pipeline of various new and in-house built surgical techniques, 'Duodenal Pacing', 'Single Port Laparoscopy' and 'Transoral Sleeve Creation'
- 2009: Start intensive collaboration on Brown Fatty Tissue with the department of Human Biology of the MUMC
- 2011: Introduction of lower oesophageal sphincter pacing for gastro-oesophageal reflux (Endostim)
- 2012: Introduction of a new oral technique (Barosense) to lose weight in primarily obese patients (first human trial)
- 2013: Introduction of the first clinical trial on gastric pacing for morbidly obesity (Exilis system Medtronic)
- 2014: Introduction of the first human trial of a new anti-adhesive film (Flexisurg Medisse)

6. Teaching experience

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|----------------|---|
| 2000 - current | <i>Chairman</i> of the national education program "Peri-operative Management" (surgical residents) |
| 2003 - current | <i>Lecturer</i> ; 4 annual lectures on several surgical topics (University Maastricht) |
| 2005 - current | <i>Coach</i> ; block Abdomen (University Maastricht) (N=10). Student feedback score > 8.5 (scale to 10) |
| 2006 | Nomination " <i>Clinicus of the year 2006</i> " |
| 2005-2008 | <i>Member "Planning Committee"</i> ; Block Abdomen year 3 (University Maastricht) |

2008 - current	<i>Block Coordinator; Abdomen (University Maastricht)</i>
2003 - current	<i>Supervisor scientific projects of Medical and other students (UM) safety of laparoscopic procedures, outcome of parathyroid surgery, adhesions and meshes, brown fatty tissue, Esophyx technical and supportive drawings</i>
2010	Nomination " <i>Clinicus of the year 2010</i> "
2011	Associate Professor of Surgery (UHD)
2013 - current	Year 3 coordinator (Medical students MUMC)
2014	Professor of Surgery, Innovative Surgical Techniques, MUMC

7. Management positions and experience

1999 - current	<i>National Board member of Collegium Chirurgicum Neerlandicum (Utrecht)</i>
2000 - current	<i>Chairman of the Surgical Residency National Education Program (Utrecht)</i>
2003 - 2011	<i>Division leader Endoscopic Surgery, Department of Surgery Maastricht University Medical Center</i>
2006 - 2008	<i>Member of the Management Committee Operating Room</i>
2008 - 2014	<i>Member Staff Convent Committee Maastricht University Medical Center</i>
2013	Chairman year 3 coordinator Medical Students Maastricht

8. Major received competitive funding from national and international organizations

Name project: Esophyx versus PPI use in the treatment of gastro-esophageal reflux disease
Period: March 2008 – December 2012
Coordinator: Nicole D. Bouvy
Participants: Bart Witteman
Applicant address: "Profilering Fund"
Funded by: Academic Hospital Maastricht
Sum of contract: €180.000
Results: Inclusion period finished follow up in progress

Name project: Flax as a surgical mesh (animal experiments)
Period: 2011-2014
Coordinator: Leo Koole
Participants: Nicole Bouvy
Applicant address: EU Interreg 4 BioMiMedics
Sum of contract: € 100.000 out of € 3.600.000
Results: publications in preparation

Name project: AnastomoSEAL Development of a resorbable sealing patch for the prevention of anastomotic leakage after colorectal cancer surgical treatment
Period: 2012-2015
Coordinator: Nicole D. Bouvy
Participants: Kevin van Barneveld, Anne-Claire Bosmans
Applicant address: EU FP7 EU FP7-NMP-2011-SMALL-5 Nanotechnologies, Materials and New Production
Collaborative project with Prof Sergio Paoletti (Trieste University)
Sum of contract: € 670.000 out of € 3.100.000
Results: at least four in preparation

9. Received funding from industry

Name project: Endoscopic Training Courses
Period: since 2003
Coordinator: Nicole D. Bouvy
Participants: Jan Willem Greve, Geerard Beets
Funded by: Covidien/ Tyco Healthcare, Endogastric Solutions, GI Dynamics, Betastim, Baxter, Olympus
Sum of contract: €75.000
Results: Skilled professionals

Name project: Prospective follow up Esophyx patients
Period: since 2006-2012
Coordinator: Nicole D. Bouvy
Participants: Nathalie van Santen
Funded by: Endogastric Solutions
Sum of contract: €40.000 for registration of the patients
Results: four publications

Name project: Endobarrier in obese patients (I)
Period: 2007-2008
Coordinator: Jan Willem Greve
Participants: Nicole D. Bouvy, Ruben Schouten
Applicant address: GI Dynamics
Sum of contract: €80.000
Results: two publications

Name project: Endobarrier in DM obese patients (II)
Period: 2009-2012
Coordinator: Nicole D. Bouvy
Participants: Jan Willem Greve, Ruben Schouten, Ignace Jansen, Frits Berends
Applicant address: GI Dynamics
Sum of contract: €120.000
Results: four publications

Name project: Mesh infection and adhesions
Period: 2009
Coordinator: Nicole D. Bouvy
Participants: Marc Schreinemacher, Geerard Beets
Applicant address: Covidien USA and Atrium Biosurgery
Sum of contract: € 80.000
Results: four publications

Name project: Endoluminal plication to loose weight Barosense procedure
Period: 2012-2014
Coordinator: Nicole D. Bouvy
Participants: Ad Masclee, Givan Paulus, Jose Conchillo
Applicant address: Barosense
Sum of contract: € 90.000
Results: three in preparation

Name project: The Use of Merpillex Border Sacrum dressing to prevent sacral pressure ulcers
Period: 2012-2013
Coordinator: Nicole D. Bouvy
Participants: Ruben Vogels, Luuk de Wert
Applicant address: Molnlyckle
Sum of contract: expected € 390.654,50
Results: three in publications expected

Name project: Medtronic pacing of the antrum of the stomach to loose weight
Period: 2012-2014
Coordinator: Nicole D. Bouvy and Ad Masclee
Participants: Mark Avesaat, Givan Paulus
Applicant address: Medtronic
Sum of contract: € 90.000
Results: three in preparation

Name project: Endostim pacing of the LES for GERD
Period: 2012-2014
Coordinator: Nicole D. Bouvy and Jose Conchillo
Participants: Fedde Rinsma
Applicant address: Endostim
Sum of contract: € 90.000
Results: three in preparation

Name project: Endostim pacing of the LES after sleeve gastectomy
Period: 2013 -
Coordinator: Nicole D. Bouvy
Participants: Fedde Rinsma, Selwyn van Rijn
Applicant address: Endostim
Sum of contract: € 60.000
Results: two in preparation

Name project: New antiadhesive film, Medisse
Period: 2013 -
Coordinator: Nicole D. Bouvy
Participants: Leontine van de Hil, Anne Claire Bosmans
Applicant address: Medisse
Sum of contract: €100.000
Results: three in preparation

Name project: Bowel protecting sheet to avoid anastomotic leakage
Partners: Polyganics, Groningen
Period: 2010 - 2014
Funded by: Polyganics

8. Memberships

Associations/Societies

1991 – current: Nederlandse Vereniging voor Heelkunde
1993 – current: European Association for Endoscopic Surgery (since 1993)
1999 – current: Nederlandse Vereniging voor Gastrointestinale chirurgie
1999 – current: Nederlandse Vereniging voor Endoscopische Chirurgie
2004 – current: Benelux Association of Bariatric Surgeons
2004 – current: International Federation for the Surgery of Obesity
2008 – current: Society of American Gastrointestinal Endoscopic Surgeons
2013 – current: Nederlandse Vereniging voor Oncologische Chirurgie

Committees

1995 – current: Bestuur Collegium Chirurgicum Neerlandicum
2003 – 2010: Bestuur Werkgroep Endoscopische Chirurgie
2006 – current: Bestuur Dutch Adhesion group, treasurer
1995 – current: Chairman Organization Dutch surgical resident perioperative care program
2014 – current: European Association of Endoscopic Surgery (EAES) Technology Committee

Editorial Boards

2008 - current Nederlands Tijdschrift voor Heelkunde
2009 - current Annals of Gastroenterology and Hepatology

Advisory Board

2008 – 2010: Covidien, USA
2006 – 2009: Endogastric Solutions, Seattle USA
2011 – 2014: Olympus Europe, Hamburg

12. Co-promotor -thesis- coming PhD students

Co-promotor thesis

7 June 2013: Guy Vijgen

"Physiology & Pathophysiology of Human Brown Adipose Tissue"

21 November 2013: Bart Witteman

"Physiological consequences of endoluminal therapies for GERD"

16 May 2014: Jeroen Heemskerk

"Sense of da Vinci Robot in laparoscopic surgery"

5 September 2014: Charlotte de Jonge

"Endoscopic treatment of Obesity and Metabolic Disorders"

19 December 2014: Rutger Schols

"Innovative Optical Techniques for Intraoperative Anatomical Guidance"

April 2015: Marc Schreinemacher

"Abdominal wall hernia repair" intraperitoneal mesh and adhesions

Corona/Leescommissie

31-10-2014 R.P.G. ten Broek, Radboud ziekenhuis Nijmegen, The burden of adhesions

04-12-2014 N.J. Slater, Radboud ziekenhuis Nijmegen, Reconstruction of complex abdominal wall defects

10-12-2014 H.R. Langeveld, Erasmus MC Rotterdam, Inguinal Hernia Surgery – a patient centered approach

23-12-2014 Reinier Zandbergen, MUMC, Mechanisms and Imaging of Myocardial Injury and Repair

27-11-2015 Baukje Hemmes, MUMC, Improving spine board design: evaluation of a new, soft-layered spineboard in trauma care

08-12-2015 An Deliaert, MUMC, Smoking and other influencing factors on skin and scar quality in surgery (corona)

Current PhD students: Kevin van Barneveld (2016), Ruben Vogels (2016), Evie Broeders (2016), Givan Paulus (2016), Luuk de Wert (2016), Fedde Rinsma (2016), Anne-Claire Bosmans (2016), Selwyn van Rhijn (2016), Audrey Jongen (2017), Leontine van de Hil (2017)

13. List of publications

- 1) *N.D.Bouvy*, R.L.Marquet, J.Jeekel, H.J.Bonjer. Laparoscopic surgery in the rat. *Eur Surg Res* 1994;26(S1):75 (IF 1,500)
- 2) E.F.H.van Bommel, *N.D.Bouvy*, E.M.Lie, E.R.Boevé. Coexistent idiopathic retroperitoneal and mediastinal fibrosis presenting with portal hypertension. *Neth J Med* 1994; 44:174-177 (IF 1,503)
- 3) E.F.H.van Bommel, K.L.So, *N.D.Bouvy*, R.Zietse, H.A.Bruining, W. Weimar. Outcome of critically-ill patients with surgical acute renal failure treated by continuous arteriovenous hemodiafiltration (CAVHD). *Intensive Care Med* 1994; 20:S27 (IF 5,168)
- 4) E.F.H.van Bommel, *N.D.Bouvy*, K.L.So, H.H.Vincent, R.Zietse, H.A.Bruining, W.Weimar. Acute dialytic support for the critically ill: CAVHD versus IHD. *Am J Nephrol* 1995; 15(3):192-200 (IF 3,481)
- 5) E.F.H.van Bommel, *N.D.Bouvy*, W.C.J.Hop, K.L.So, H.H.Vincent, R.Zietse, H.A.Bruining, W.Weimar. Use of APACHE II classification to evaluate outcome of surgical acute renal failure patients needing dialytic support. *Ren Fail.* 1995;17(6):731-42 (IF 0,840)
- 6) E.F.H.van Bommel, *N.D.Bouvy*, K.L.So, H.H.Vincent, R.Zietse, H.A.Bruining, W.Weimar. High-risk surgical acute renal failure treated by continuous arteriovenous hemofiltration:metabolic control and outcome in sixty patients. *Nephron.* 1995;70:185-92 (IF 1,405)
- 7) *N.D.Bouvy*, R.L.Marquet, J.Jeekel, H.J.Bonjer. Gasless versus CO₂ pneumoperitoneum in relation to the development of abdominal wall entmetastases. *Eur Surg Res* 1995;27(S1):4 (IF 1,500)
- 8) H.J.Bonjer, *N.D.Bouvy*, G.Kazemier, R.L.Marquet, J.Jeekel. Laparoscopic bowel resection in the rat: improved postoperative recovery and decreased tumor take. *Surg Endosc* 1995;9(2):221 (IF 3,307)
- 9) *N.D.Bouvy*, R.L.Marquet, J.F.Hamming, J.Jeekel, H.J.Bonjer. Laparoscopic surgery in the rat: beneficial effect on bodyweight and tumor take. *Surgical Endoscopy* 1996;10:490-494 (IF 3,307)
- 10)*N.D.Bouvy*, R.L.Marquet, J.Jeekel, H.J.Bonjer. Impact of gas(less) laparoscopic and laparotomy on peritoneal tumor growth and abdominal wall metastases. *Ann Surg* 1996;224(6):694-701 (IF 5,405)
- 11)*N.D.Bouvy*, H.J.Bonjer. Letter. *Surg Endosc.* 1997;11:166 (IF 3,307)
- 12)*N.D.Bouvy*, R.L.Marquet, J.Jeekel, H.J.Bonjer. Laparoscopic surgery is associated with less tumour growth stimulation than conventional surgery: an experimental study. *Br J Surg* 1997;84:358-361 (IF 2,381)

- 13) M.C.Giuffrida, R.L.Marquet, P.Wittich, *N.D.Bouvy*, H.A.Bruining, H.J.Bonjer. Laparoscopic splenectomy and nephrectomy in a rat model. Description of a new technique. *Surg Endosc.* 1997;11:491-4 (IF 3,307)
- 14) G.Kazemier, F.J.Berends, *N.D.Bouvy*, J.F.Lange, H.J.Bonjer. The influence of pneumoperitoneum on the peritoneal implantation of free intraperitoneal cancer cells. *Surg Endosc.* 1997;11:698-9 (IF 3,307)
- 15) L.N.L.Tseng, F.J.Berends, Ph.Wittich, *N.D.Bouvy*, R.L.Marquet, H.J.Bonjer. Port site metastases: Role of local ischemia and gas leakage. *Surg Endosc.* 1998;12:1377-1380 (IF 3,307)
- 16) *N.D.Bouvy*, M.C.Giuffrida, L.N.L.Tseng, E.W.Steyerberg, R.L.Marquet, J.Jeekel, H.J.Bonjer. Effects of carbon dioxide pneumoperitoneum, air pneumoperitoneum, and gasless laparoscopy on body weight and tumor growth. *Arch Surg.* 1998;133:652-6 (IF 2,526)
- 17) H.J.Bonjer, C.N.Gutt, G.Hubens, L.Krahenbuhl, S.H.Kim, *N.D.Bouvy*, L.N.L.Tseng, V.Paolucci, R.Whelan, C.A.Jacobi. Port site metastases in laparoscopic surgery. *Surg Endosc* 1998;12:1102-3 (IF 3,307)
- 18) C.N.Gutt, C.Kuntz, T.Schmandra, A.Wunsch, P.Heinz, *N.D.Bouvy*, M.Bessler, P.Sanger, H.J.Bonjer, J.Allemdorf, C.A.Jacobi, R.Whelan. Metabolism and immunology in laparoscopy. First workshop on experimental laparoscopic surgery, Frankfurt, 1997. *Surg Endosc* 1998;12:1096-8 (IF 3,307)
- 19) *N.D.Bouvy*, R.L.Marquet, L.N.L.Tseng, E.W.Steyerberg, S.W.Lamberts, J.Jeekel, H.J.Bonjer. Laparoscopic versus conventional bowelsurgery in the rat. Earlier restoration of serum insulin-like growth factor 1 levels. *Surg Endosc.* 1998;12:412-15 (IF 3,307)
- 20) Bonjer HJ, Gutt CN, Hubens G, Krahenbuhl L, Kim SH, Bouvy ND, Tseng LN, Paolucci V, Whelan R, Jacobi CA. Port site metastases in laparoscopic surgery. First workshop on experimental laparoscopic surgery, Frankfurt 1997. *Surg Endosc* 1998 Aug;12(8):1102-3 (IF 3,307)
- 21) R.J. de Vos tNC, *N.D.Bouvy*, H.J.Bonjer, J.M.van Muiswinkel, S.Chadha. Fine needle aspiration cytology of thyroid nodules: how accurate is it and what are the causes of discrepant cases. *Cytopathology* 2001;12:399-405 (IF 0,653)
- 22) E.J. Hazebroek, R.W.de Bruin, *N.D.Bouvy*, S.Duikeren, F.Bonthuis, R.L.Marquet, D.P.Hayes, J.N.IJzermans, H.J.Bonjer. Short-term impact of carbon dioxide, helium, and gasless laparoscopic donor nephrectomy on renal function and histomorphology in donor and recipient. *Surg Endosc.* 2002;16:245-51 (IF 3,307)

- 23) E.J. Hazebroek, J.J. Haitzma, B. Lachmann, E.W. Steyerberg, R.W.F. de Bruin, N.D. Bouvy, H.J. Bonjer. Impact of carbon dioxide and helium insufflation on cardiorespiratory function during prolonged pneumoperitoneum in an experimental rat model. *Surg Endosc.* 2002;16:1073-78 (IF 3,307)
- 24) E.J. Hazebroek, R.W.F. de Bruin, N.D. Bouvy, F. Bonthuis, R.L. Marquet, I.M. Bajema, D.P. Hayes, J.N.M. IJzermans, H.J. Bonjer. Long-term impact of pneumoperitoneum used for laparoscopic donor nephrectomy on renal function and histomorphology in donor and recipient rats. *Ann Surg* 2003;237(3):351-7 (IF 7,9)
- 25) R. Veldkamp, M. Gholghesaei, N.D. Bouvy, G. Kazemier, H.J. Bonjer. Laparoscopic resection of colonic cancer. *Scand J Surg* 2003;92(1):97-103 (IF 0,816)
- 26) Buunen M, Gholghesaei M, Veldkamp R, Meijer DW, Bonjer HJ, Bouvy ND. Stress response to laparoscopic surgery: a review. *Surg Endosc.* 2004;18(7):1022-8. (IF 3,307)
- 27) Heemskerk J, van Dam R, van Gemert W, Beets GL, Greve JWM, Jacobs MJHM, Bouvy ND. First results after introduction of the four-armed daVinci Surgical System in fully robotic laparoscopic cholecystectomy. *Digestive Surgery* 2006;22:426-431. (IF 0,275)
- 28) Heemskerk J, v Zandbergen, Maesen J, Greve JWM, Bouvy ND. Advantages of advanced laparoscopic systems. *Surg Endosc.* 2006 May;20(5):730-3. (IF 3,307)
- 29) Witteman B, Greve JW, van Dam R, Bouvy ND, Koek G, Hameeteman W. Hoofdstuk 4.3 : Esophyx: endoluminale funduplicatie voor gastro-oesophageale reflux. *Ned Tijdschrift voor Heelkunde*, jaargang 15, nummer 7, november 2006.
- 30) Van der Hulst R, Sawor J, Bouvy N. Microvascular anastomosis: Is there a role for robotic surgery? *J Plast Reconstr Aesthet Surg* 2007;60(1):101-2. (IF 1,508)
- 31) Van 't Sant HP, Bouvy ND, Kazemier G, Bonjer HJ, Hop WC, Feelders RA, de Herder WW, de Krijger RR. The prognostic value of two different histopathological scoring systems for adrenocortical carcinomas. *Histopathology* 2007 Jun 25 (IF 1,712)
- 32) Heemskerk J, van Gemert WG, de Vries J, Greve J, Bouvy ND. Learning curves of robot-assisted laparoscopic surgery compared with conventional laparoscopic surgery: an experimental study evaluating skill acquisition of robot-assisted laparoscopic tasks compared with conventional laparoscopic tasks in inexperienced users. *Surg Laparosc Endosc Percutan Tech* 2007 Jun ;17(3) :171-4 (IF 0,974)

- 33) Heemskerk J, de Hoog D, van Gemert WG, Baeten CGMI, Greve JWM, *Bouvy ND*. Robot-assisted vs. conventional laparoscopic rectopexy for rectal prolapse: a comparative study on costs and time. *Dis Colon Rectum* 2007;50:1825-1830 (IF 2,5)
- 34) Peppelenbosch N, van Kuijk WHM, *Bouvy ND*, van der Sande FM, Tordoir JHM. Peritoneal dialysis catheter placement technique and complications. *NDT Plus* (2008) 1-6.
- 35) Emans PJ, Schreinemacher MH, Gijbels MJ, Beets GL, Greve JW, Koole LH, *Bouvy ND*. Polypropylene Meshes to Prevent Abdominal Herniation. Can Stable Coatings Prevent Adhesions in the Long Term? *Ann Biomed Eng* 2008 Nov 25. (IF 1,377)
- 36) Schreinemacher MH, Emans PJ, Gijbels MJ, Greve JW, Beets GL, *Bouvy ND*. Degradation of mesh coatings and intraperitoneal adhesion formation in experimental model. *Br J Surg* 2009; 96(3):305-313. (IF 4,1)
- 37) De Hoog DENM, Heemskerk J, Nieman FHM, van Gemert WG, Baeten CGMI, *Bouvy ND*. Recurrence and functional results after open versus conventional laparoscopic versus robot-assisted laparoscopic rectopexy for rectal prolapse: a case control study. *Int J Colorectal Dis* 2009 ;24(10) :1201-6 (IF 1,463)
- 38) Van Marken Lichtenbelt WD, Vanhommerig JW, Smulders NM, Drossaerts BS, Kemerink GJ, *Bouvy ND*, Schrauwen P, Teule GJ. Cold-Activated Brown Adipose Tissue in Healthy Men. *N Engl J Med* 2009;360:1500-8. (IF 47.050)
- 39) Witteman BP, *Bouvy N*, Koek G. Will skepticism stop the evolution of endoscopic GERD treatment? *Eur J Gastroenterol Hepatol.* 2009;21(10):1222-4. (IF 1,589)
- 40) Witteman BP, Foxwell TJ, Monsheimer S, Gelrud A, Eid GM, Nieponice A, O'Rourke RW, Hoppo T, *Bouvy ND*, Badylak SF, Jobe BA. Transoral Endoscopic inner layer esophagectomy: Management of high-grade dysplasia and superficial cancer with organ preservation. *J Gastrointest Surg.* 2009 Dec;13(12):2104-12 (IF 2,402)
- 41) Schouten R, Rijs CS, *Bouvy ND*, Hameeteman W, Koek GH, Janssen IM, Greve JW. A multicenter, randomized efficacy study of the endobarrier gastrointestinal liner for presurgical weight loss prior to bariatric surgery. *Ann Surg.* 2010 Feb;251(2):236-43. (IF 7,900)
- 42) Bloemen JG, Schreinemacher MH, de Bruine AP, Buurman WA, *Bouvy ND*, Dejong CH. Butyrate enemas improve intestinal anastomotic strength in a rat model. *Dis Colon Rectum.* 2010(53(7):1069-75 (IF 2,536)
- 43) Schreinemacher MH, Henatsch D, van Barneveld KW, *Bouvy ND*. "The need for standardized animal models and scoring systems in assessing mesh biocompatibility." *Hernia* 2010; 14: 335-6.

- 44) Schreinemacher MH, ten Broek RP, Bakkum EA, van Goor H, *Bouvy ND*. "Adhesion awareness: a National Survey of Surgeons". *World J Surg*. 2010;34(12):2805-12 (IF 2,696)
- 45) Verdam F, Greve JW, Roosta S, van Eijk H, *Bouvy ND*, Buurman WA, Rensen SS. Small intestinal alterations in severely obese hyperglycemic subjects. *J Clin Endocrinol Metab*. 2011;96(2):379-83. (IF 6.3)
- 46) Schreinemacher MH, Vijgen G, Huizinga B, Bloemen JG, Dagnelie P, *Bouvy ND*. Incisional hernias in old stoma wounds: a cohort study. *Arch Surg*. 2011;146(1):94-9 (IF 4,323)
- 47) Botden SM, Strijkers R, Fransen S, Stassen L, *Bouvy ND*. The use of curved vs. straight instruments in Single Port Access Surgery, on standardized box trainer tasks. *Surg Endosc* 2011;25(8):2703-10 (IF 3.3)
- 48) INCA trialist Collaboration. Operation compared with watchful waiting in elderly male inguinal hernia patients: a review and data analysis. *J Am Coll Surg*. 2011;212(2):251-259. (IF 4.2)
- 49) Schreinemacher M, Bloemen J, Heijden S van der, Gijbels M, Dejong CHC, *Bouvy ND*. Collagen fleeces do not improve colonic anastomotic strength, but increase bowel obstructions in an experimental rat model. *Int J Colorectal Dis*. 2011;26(6):729-35. (IF 2.172)
- 50) Vijgen GH, *Bouvy ND*, Teule GJ, Brans B, Schrauwen P, van Marken Lichtenbelt WD. Brown adipose tissue in morbidly obese subjects. *PloS One*. 2011;6(2):e17247 (IF4.4)
- 51) Hoppo T, McMahon BP, Witteman BP, Kraemer SJ, O'Rourke RW, Gravesen F, *Bouvy ND*, Jobe BA. Functional Lumen Imaging Probe to Assess Geometric Changes in the Esophagogastric Junction Following Endolumenal Fundoplication. *J Gastrointest Surg*. 2011;15(7):1112-20. (IF 2.7)
- 52) ten Broek RP, Schreinemacher MH, Jilesen AP, Bouvy N, Bleichrodt RP, van Goor H. Enterotomy risk in abdominal wall repair: a prospective study. *Ann Surg*. 2012 Aug;256(2):280-7. (IF 7.9)
- 53) Vijgen GH, Schouten R, Pelzers L, Greve JW, van Helden SH, Bouvy ND. Revision of laparoscopic adjustable gastric banding: success or failure? *Obes Surg*. 2012;22(2):287-92. (IF 3.1)
- 54) Fransen SA, Mertens LS, Botden SM, Stassen LP, Bouvy ND. Performance curve of basic skills in single-incision laparoscopy versus conventional laparoscopy: Is it really more difficult for the novice? *Surg Endosc*. 2012;26(5):1231-7 (IF4.0)
- 55) Fransen S, Stassen L, Bouvy N. Single incision laparoscopic cholecystectomy: A review on the complications. *J Minim Access Surg*. 2012;8(1):1-5. (IF0.6)
- 56) Vijgen GH, *Bouvy ND*, Teule GJ, Brans B, Schrauwen P, van Marken Lichtenbelt WD. Increase in brown adipose tissue activity after weight loss in

- morbidly obese subjects. 2012 accepted for publication in The Journal of Clinical Endocrinology & Metabolism 2012. (IF6.2)
- 57) FJ Verdam, JW Greve, S Roosta, H van Eijk, ND Bouvy, Wim A. Buurman, Sander S. Rensen. Small intestinal alterations in severely obese hyperglycemic subjects. *Nederlands Tijdschrift voor Diabetologie* 2012: 16-18. (4.7)
- 58) Witteman BP, Strijkers R, de Vries E, Toemen L, Conchillo JM, Hameeteman W, Dagnelie PC, Koek GH, Bouvy ND. Transoral incisionless fundoplication for treatment of gastroesophageal reflux disease in clinical practice. *Surg Endosc.* 2012 (IF4.0)
- 59) Peeters E, van Barneveld K, Schreinemacher M, De Hertogh G, Ozog Y, Bouvy N Miserez M. One-year outcome of biological and synthetic bioabsorbable meshes for augmentation of large abdominal wall defects in a rabbit model. *J Surg Res.* 2013;180(2):274-83. (IF2.2)
- 60) Verdam FJ, Schouten R, Greve JW, Koek GH, Bouvy ND. An update on less invasive and endoscopic techniques mimicking the effect of bariatric surgery. *J Obes.* 2012;2012:597871. Epub 2012 Aug 21. (IF4.6)
- 61) Vijgen GH, Bouvy ND, Smidt M, Kooreman L, Schaart G, van Marken Lichtenbelt W. Hibernoma with metabolic impact? *BMJ Case Rep.* 2012 Aug 21;2012.
- 62) de Jonge C, Rensen SS, Verdam FJ, Vincent RP, Bloom SR, Buurman WA, le Roux CW, Schaper NC, Bouvy ND, Greve JW. Endoscopic Duodenal-jejunal Bypass Liner Rapidly Improves Type 2 Diabetes. *Obes Surg.* 2013;23(9):1354-60 (IF 3.2)
- 63) Schols RM, Stassen LP, Keymeulen KB, Bouvy ND. Dermoid cyst of the greater omentum: rare and innocent? *BMJ Case Rep.* 2013 vol. 2013.
- 64) Fransen SA, Botden SM, Bouvy ND. The jungle of instruments in single-port laparoscopy: comparison of crossed, uncrossed, straight, single curved, and double curved instruments. *Surg Endosc.* 2013;27(6): 2247-8. (IF4.0)
- 65) Witteman BP, Kessing BF, Snijders G, Koek GH, Conchillo JM, Bouvy ND. Revisional laparoscopic antireflux surgery after unsuccessful endoscopic fundoplication. *Surg Endosc.* 2013;27(6): 2231-6. (IF 4.0)
- 66) Schols RM, Bouvy ND, van Dam RM, Stassen LP. Advanced intraoperative imaging methods for laparoscopic anatomy navigation: an overview. *Surg Endosc.* 2013;27(6); 1851-9. (IF 4.0)
- 67) Verdam FJ, Dallinga JW, Driessen A, de Jonge C, Moonen EJ, van Berkel JB, Luijk J, Bouvy ND, Buurman WA, Rensen SS, Greve JW, van Schooten FJ. Non-alcoholic steatohepatitis: a non-invasive diagnosis by analysis of exhaled breath. *J Hepatol.* 2013 Mar;58(3):543-8. (IF 7.8)
- 68) Schols RM, Bouvy ND, Masclee AA, van Dam RM, Dejong CH, Stassen LP. Fluorescence cholangiography during laparoscopic cholecystectomy: a

- feasibility study on early biliary tract delineation. *Surg Endosc.* 2013 May;27(5):1530-6. (IF 4.0)
- 69)Vijgen GH, Schouten R, Bouvy ND, Greve JW. Salvage banding for failed Roux-en-Y gastric bypass. *Surg Obes Relat Dis.* 2012 Nov-Dec;8(6):803-8. (IF 3.9)
- 70)Verdam FJ, Schouten R, Greve JW, Koek GH, Bouvy ND. An update on less invasive and endoscopic techniques mimicking the effect of bariatric surgery. *J Obes.* 2012;2012:597871. (IF4.6)
- 71)Peeters E, van Barneveld KW, Schreinemacher MH, De Hertogh G, Ozog Y, Bouvy N, Miserez M. One year outcome of bioabsorbable meshes for augmentation of large abdominal wall defects in a rabbit model. *J Surg. Res.* 2013; 180(2):274-83. (IF2.1)
- 72)De Jonge C, Rensen S, Verdam FJ, Vincent R, Bloom SR, Buurman WA, Le Roux CW, Schaper NC, Bouvy ND, Greve JW. Endoscopic duodenal-jejunal bypass liner rapidly improves type 2 diabetes. *Obes Surg* 2013; 23(9): 1354-60. (IF 3.1)
- 73)Schreinemacher MH, van Barneveld KW, Dikmans RE, Gijbels MJ, Greve JW, Bouvy ND. Coated meshes for hernia repair provide comparable intraperitoneal adhesion prevention. *Surg Endosc* 2013;27(11): 4202-9. (IF 4.0)
- 74)Vijgen GH, Sparks LM, Bouvy ND, Schaart G, Hoeks J, van Marken Lichtenbelt WD, Schrauwen P. Increased oxygen consumption in human adipose tissue from the "brown adipose tissue" region. *J.Clin.Endocrinol.Metab* 2013; 98(7):1230-34. (IF 6.4)
- 75)Vijgen GH, Bouvy ND, Hoeks J, Wijers S, Schrauwen P, van Marken Lichtenbelt WD. Impaired skeletal muscle mitochondrial function in morbidly obese patients is normalized one year after bariatric surgery. *Surg Obes Relat Dis* 2013;9(6): 936-41. (IF 4.1)
- 76)Schols RM, Bouvy ND, van Dam RM, Masclee AA, Dejong CH, Stassen LP. Combined vascular and biliary fluorescence imaging in laparoscopic cholecystectomy. *Surg Endosc* 2013;27(12): 4511-7.
- 77)De Jonge C, Rensen S, Koek GH, Joosten MF, Buurman WA, Bouvy ND, Greve JW. Endoscopic duodenal-jejunal bypass liner rapidly improves plasma parameters of nonalcoholic fatty liver disease. *Clin. Gastroenterol. Hepatol.* 2013;11(11): 1517-20.
- 78)Michel SA, Vogels RR, Bouvy ND, Knetsch ML, van den Akker NM, Gijbels MJ, van der Marel C, Vermeersch J, Molin DG, Koole LH. Utilization of flax fibers for biomedical applications. *J. Biomed. Mater. Res. Part B Appl Biomater* 2013 in press

- 79) Ten Broek RP, Issa Y, van Santbrink EJP, Bouvy ND, Kruitwagen RFPM, Jeekel J, Bakkum EA, Rovers MM, van Goor H. Burden of adhesions in Abdominal and pelvic surgery: systematic review and met-analysis. *BMJ* 2013 (IF 17.2)
- 80) Rinsma NF, Smeets FG, Bruls DW, Kessing BF, Bouvy ND, Masclee AA, Conchillo JM. Effect of transoral incisionless fundoplication on reflux mechanisms. *Surg Endosc* 2013 in press
- 81) Vijgen GH, Bouvy ND, Leenen L, Rijkers K, Cornips E, Majoie M, Brans B, Marken Lichtenbelt WD. Vagus nerve stimulation increases energy expenditure: relation to brown adipose tissue activity. *PLoS ONE* 2013 in press
- 82) Heemskerk J, Bouvy ND, Baeten CG. The end of robot-assisted laparoscopy? A critical appraisal of scientific evidence on the use of robot-assisted laparoscopic surgery. *Surg Endosc* 2014;28:1388-98.
- 83) Schreinemacher MH, van Barneveld KW, Peeters E, Miserez M, Gijbels MJ, Greve JW, Bouvy ND. Adhesions to sutures, tackers, and glue for intraperitoneal mesh fixation: an experimental study. *Hernia* 2013 in press
- 84) de Jonge C, Rensen SS, D'Agnolo HM, Bouvy ND, Buurman WA, Greve JW. Six months of treatment with the endoscopic duodenal-jejunal bypass liner does not lead to decreased systemic inflammation in obese patients with type 2 diabetes. *Obes Surg* 2014;24(2): 337-41 (IF 3.1)
- 85) van Barneveld KW, Vogels RR, Beets GL, Breukink SO, Greve JW, Bouvy ND, Schreinemacher MH. Prophylactic intraperitoneal mesh placement to prevent incisional hernia after stoma reversal: a feasibility study. *Surg Endosc* 2014; May;28(5):1522-7 (IF 3.2)
- 86) Schols RM, Lodewick TM, Bouvy ND, van Dam GM, Dejong CH, Stassen LP. Application of a new dye for near-infrared fluorescence laparoscopy of the ureters: demonstration in a pig model. *Dis.Colon Rectum* 2014;57(3):407-11 (IF 3.7)
- 87) Broeders E, Bouvy ND, van Marken Lichtenbelt WD. Endogenous ways to stimulate brown adipose tissue in humans. *Ann.Med.* 2014 (IF 3.8)
- 88) Schols RM, Ter Laan M, Stassen LP, Bouvy ND, Amelink A, Wieringa FP, Alic L. Differentiation between nerve and adipose tissue using wide-band (350-1,830 nm) in vivo diffuse reflectance spectroscopy. *Lasers Surg Med.* 2014;46(7):538-45.
- 89) Rinsma NF, Bouvy ND, Masclee AA, Conchillo JM. Electrical Stimulation Therapy for Gastroesophageal Reflux Disease. *J Neurogastroenterol Motil.* 2014 May;20(2):287-93.
- 90) Broeders E, Al-Taher M, Peeters K, Bouvy N. Verres Needle Desufflation as an Effective Treatment Option for Colonic Perforation After Colonoscopy. *Surg Laparosc Endosc Percutan Tech.* 2014 Apr 19. [Epub ahead of print]

- 91)Schols RM, Lodewick TM, Bouvy ND, van Dam DA, Meijerink WJ, van Dam GM, Dejong CH, Stassen LP. Near-infrared fluorescence laparoscopy of the cystic duct and artery in pigs: performance of a preclinical dye. *J Laparoendosc Adv Surg Tech A*. 2014 May;24(5):318-22.
- 92)Vennix S, Pelzers L, Bouvy N, Beets GL, Pierie JP, Wiggers T, Breukink S. Laparoscopic versus open total mesorectal excision for rectal cancer. *Cochrane Database Syst Rev*. 2014 Apr 15 (IF 6.0)
- 93)Fransen SA, Broeders E, Stassen L, Bouvy N. The voice of Holland: Dutch public and patient's opinion favours single-port laparoscopy. *J Minim Access Surg* 2014;10(3):119-25 (IF 0.8)
- 94)Koehestanie P, de Jonge C, Berends FJ, Janssen IM, Bouvy ND, Greve JW. The effect of the endoscopic duodenal-jejunal bypass liner on obesity and type 2 diabetes a multicenter randomized controlled trial. *Ann.Surg*. 2014;260(6):984-92 (IF 8.3)
- 95)Verlaan T, Paulus GF, Mathus-Vliegen EM, Veldhuyzen EA, Conchillo JM, Bouvy ND, Fockens P. Endoscopic gastric volume reduction with a novel articulating plication device is safe and effective in the treatment of obesity (with video). *Gastrointest. Endosc*. 2015 Feb;81(2):312-20 (IF 5.3)
- 96)Heemskerk J, Zandbergen HR, Keet SW, Martijnse I, van Montfort G, Peters RJ, Svircevic V, Bouwman RA, Baeten CG, Bouvy ND. Relax, It's Just Laparoscopy! A Prospective Randomized Trial on Heart Rate Variability of the Surgeon in Robot-assisted versus Conventional Laparoscopic Cholecystectomy. *Dig Surg* 2014;31(3):225-32
- 97)Segers FM, Verdam FJ, de Jonde C, Boonen B, Driessen A, shiri-Sverdllov R, Bouvy ND, Greve JW, Buurman WA, Rensen SS. Complement alternative pathway activation in human nonalcoholic steatohepatitis. *PLoS ONE* 2014;9(10) (IF 3.2)
- 98) Rinsma NF, Farre R, Bouvy ND, Masclee AA, Conchillo JM. The effect of endoscopic fundoplication and proton pump inhibitors on baseline impedance and heartburn severity in GERD patients. *Neurogastroenterol Motil*. 2015 Feb;27(2):220-8
- 99) Vogels RR, van Barneveld KW, Bosmans JW, Beets GL, Gijbels MJ, Schreinemacher MH, Bouvy ND. Long-term evaluation of adhesion formation and foreign body response to three new meshes. *Surg Endosc* 2015 Aug;29(8):2251-9 (IF 3.2)
- 100)Paulus GF, de Vaan LE, Verdam FJ, Bouvy ND, Ambergen TA, van Heurn LW. Bariatric surgery in morbidly obese adolescents: a systematic review and meta-analysis. *Obes Surg* 2015;25(5):860-78 (IF 3.7)
- 101)Lacko M, Voogd AC, van de Goor RC, Roelofs HM, Te Morsche RH, Bouvy ND, Peters WH, Manni JJ. Genetic polymorphisms in UDP-glucuronosyltransferase

- 1A6 and 1A7 and the risk for benign Warthin's tumors of the parotid gland. *Head Neck*. 2015 Apr 20. doi: 10.1002/hed.24077 (IF 2.6)
- 102)Vogels RR, Bosmans JW, van Barneveld KW, Verdoold V, van Rijn S, Gijbels MJ, Penders J, Breukink SO, Grijpma DW, Bouvy ND. A new poly(1,3-trimethylene carbonate) film provides effective adhesion reduction after major abdominal surgery in a rat model. *Surgery*. 2015 Jun;157(6) (IF 3.3)
- 103)Wittebman BP, Conchillo JM, Rinsma NF, Betzel B, Peeters A, Koek GH, Stassen LP, Bouvy ND. Randomized controlled trial of transoral incisionless fundoplication vs. Proton pump inhibitors for treatment of gastroesophageal reflux disease. *Am J Gastroenterol*. 2015 Apr;110(4):531-42 (IF 10.7)
- 104)Smeets FG, Keszthelyi D, Bouvy ND, Masclee AA, Conchillo JM. Does Measurement of Esophagogastric Junction Distensibility by EndoFLIP Predict Therapy- responsiveness to Endoluminal Fundoplication in Patients With Gastroesophageal Reflux Disease? *J Neurogastroenterol Motil*. 2015 Mar 30;21(2):255-64
- 105)Broeders EP, Nascimento EB, Bouvy ND. The bile acid chenodeoxycholic acid increases human brown fatty tissue, *Cell Metab* 2015 (IF 17.5)
- 106)Broeders E, Al-Taher M, Peeters K, Bouvy N. Verres needle desufflation as an effective treatment option for colonic perforation after colonoscopy. *Surg Laparosc Endosc Percutan Tech*. 2015 Apr;25(2)
- 107)Bucerius J, Vijgen GH, Brans B, Bouvy ND, Bauwens M, Rudd JH, Havekes B, Fayad ZA, van Marken Lichtenbelt WD, Mottaghy FM. Impact of bariatric surgery on carotid artery inflammation and the metabolic activity in different adipose tissues. *Medicine (Baltimore)*. 2015 May;94(20) (IF 5.7)
- 108)Kappelle WF, Bredenoord AJ, Conchillo JM, Ruurda JP, Bouvy ND, van Berge Henegouwen MI, Chiu PW, Booth M, Hani A, Reddy DN, Bogte A, Smout AJ, Wu JC, Escalona A, Valdovinos MA, Torres-Villalobos G, Siersema PD. Electrical stimulation therapy of the lower oesophageal sphincter for refractory gastro-oesophageal reflux disease - interim results of an international multicentre trial. *Aliment Pharmacol Ther*. 2015 Jul 8.
- 109)Leclercq RM, Van Barneveld KW, Schreinemacher MH, Assies R, Twellaar M, Bouvy ND, Muris JW. Postoperative abdominal adhesions and bowel obstruction. A survey among Dutch general practitioners. *Eur J Gen Pract*. 2015 Jul 10:1-7 (IF 1.2)
- 110)Paulus GF, van Avesaat M, Mathus-Vliegen EM, Bouvy ND, Fockens P. Response. *Gastrointest Endosc*. 2015 Jul;82(1):186-7 (IF 5.3)
- 111) van Rijn S, Roebroek YG, Masclee AA, van Heurn EL, Bouvy ND. Structural Endoscopic Techniques to Treat Obesity: A Review. *Surg Technol Int*. 2015 May;26:84-91
- 112)Wijnands KA, Meesters DM, van Barneveld KW, Visschers RG, Briedé JJ, Vandendriessche B, van Eijk HM, Bessems BA, Hoven Nv, von Wintersdorff CJ,

- Brouckaert P, Bouvy ND, Lamers WH, Cauwels A, Poeze M. Citrulline Supplementation Improves Organ Perfusion and Arginine Availability under Conditions with Enhanced Arginase Activity. *Nutrients*. 2015 Jun 29;7(7):5217-38 (IF 3.2)
- 113) Broeders EP, Nascimento EB, Havekes B, Brans B, Roumans KH, Tailleux A, Schaart G, Kouach M, Charton J, Deprez B, Bouvy ND, Mottaghy F, Staels B, van Marken Lichtenbelt WD, Schrauwen P. The Bile Acid Chenodeoxycholic Acid Increases Human Brown Adipose Tissue Activity. *Cell Metab*. 2015 Sep 1;22(3):418-26 (IF 17.5)
- 114) de Jonge C, Rensen SS, Verdam FJ, Vincent RP, Bloom SR, Buurman WA, le Roux CW, Bouvy ND, Greve JW. Impact of Duodenal-jejunal Exclusion on Satiety Hormones. *Obes Surg*. 2015 Oct 7 (IF 3.7)
- 115) Vogels RR, Lambertz A, Schuster P, Jockenhoevel S, Bouvy ND, Disselhorst-Klug C, Neumann UP, Klinge U, Klink CD. Biocompatibility and biomechanical analysis of elastic TPU threads as new suture material. *J Biomed Mater Res B Appl Biomater*. 2015 Oct 1.

Letters

- 1) Schreinemacher MH, Beets GL, *Bouvy ND*. "Parastomal hernia prevention: It is Possible!". *Ann Surg*. 2010;252(4):707-8 (IF 7,900)
- 2) Botden SM, *Bouvy ND*. Systematic review and meta-analysis of laparoscopic Nissen (posterior total) versus Toupet (posterior partial) fundoplication for gastro-oesophageal reflux disease. *Br J Surg* 2011;98(2)316-317 (IF 4,1)

Contributions to books

Chapter 12. Minimaal Invasieve Technieken in Leerboek Chirurgie. ISBN 9031344648 Bohn Stafleu van Loghum BV. 2006

PROCEDURE MANUAL : Bouvy ND, Boyer J, Repici A. Endoluminal Fundoplication (ELF) for the Treatment of Gastroesophageal Reflux Disease. Published July 2007

Chapter 11 Disposables of reusables bij endoscopische ingrepen? Handboek Endoscopische chirurgie. 2010
ISBN 9789031361519 NUR 877

14. Contributions to meetings, seminars and lectures as invited speaker

Laparoscopic surgery in the rat. 29th Congress of the European Society for Surgical Research (ESSR), May 16-19 1994, Montpellier, France

Het retrosternale struma: chirurgische therapie en morbiditeit. Chirurgedagen 2 en 3 juni 1994, Veldhoven

Laparoscopische versus conventionele darm chirurgie bij de rat: minder gewichtsverlies, minder tumor-take. Chirurgedagen 2 en 3 juni 1994, Veldhoven

Outcome of critically-ill patients with surgical acute renal failure treated by continuous arteriovenous hemodiafiltration (CAVHD). 7th European Congress on Intensive Care Medicine, June 14-17 1994, Innsbruck

Surgical trauma and mediators, an experimental model on laparoscopic surgery. 4th European Congress of Surgery. October 25-29 1994, Berlin (invited speaker)

Is terughoudendheid geboden bij het laparoscopisch opereren van het coloncarcinoom? 7^e SEOHS Amsterdam, 11 november 1994 (waarvoor SEOHS-Show-Bokaal)

Gasless versus CO₂ pneumoperitoneum in relation to the development of entmetastases. 30th Congress of the European Society for Surgical Research (ESSR), May 10-13 1995, Amsterdam, The Netherlands (nominated for the Walter Brendel Award)

Laparoscopic bowel resection in the rat decreases tumor take but not tumor growth. 30th Congress of the European Society for Surgical Research (ESSR), May 10-13 1995, Amsterdam, The Netherlands

Laparoscopic Nissen fundoplication in the rat as an educational tool. 30th Congress of the European Society for Surgical Research (ESSR), May 10-13 1995 Amsterdam, The Netherlands

Laparoscopische versus open dunne darm resecties bij de rat: Minder gewichtsverlies en sneller herstel IGF-1 Chirurgedagen 18 en 19 mei 1995, Veldhoven

Laparolift versus CO₂ pneumoperitoneum en de relatie met entmetastasen bij laparoscopische oncologische resecties. Chirurgedagen 18 en 19 mei 1995, Veldhoven

Gasless vs CO₂ pneumoperitoneum in relation to the development of abdominal wall metastases. Third International Congress on New Technology and Advanced Techniques in Surgery. Luxembourg, June 13-17, 1995

Laparoscopic Nissen fundoplication in the rat. Third International Congress on New Technology and Advanced Techniques in Surgery. Luxembourg, June 13-17, 1995

Laparoscopic bowel resection in the rat: improved postoperative recovery and decreased tumor take. 36th World Congress of Surgery, Lisbon, Portugal, August 27 to September 2, 1995

Laparoscopic bowel resection in the rat: Earlier Restoration of IGF-1 and less tumor growth. 5th World Congress of Endoscopic Surgery, Philadelphia, Pennsylvania, March 13-17, 1996

Gasless laparoscopy versus CO₂ pneumoperitoneum in relation to the development of abdominal wall metastases
5th World Congress of Endoscopic Surgery, Philadelphia, Pennsylvania, March 13-17, 1996

Impact of gas(less) laparoscopic and laparotomy on peritoneal tumor growth and abdominal wall metastases. European Surgical Association, Paris, May 3-4, 1996

Extraperitoneal laparoscopic adrenalectomy. European Course on Laparoscopic Surgery, Brussel, April 4-7, 2000

Postoperative interpleural ropivacain for prevention of shoulder-tip pain after laparoscopic cholecystectomy.
4th International Conference of Experimental Laparoscopic Surgery. Berlin April 14 and 15, 2000

Endoscopic parathyroidectomy: Description of a new technique. 4th International Conference of Experimental Laparoscopic Surgery. Berlin April 14 and 15, 2000

Inflammatory and immune response after laparoscopic colorectal surgery. Fourth Congress of the Dutch Society of Endoscopic Surgery, April 27 and 28, 2000, Amsterdam

Het effect van interpleurale analgesie na laparoscopische cholecystectomie: een dubbelblind gerandomiseerde studie naar de relatie met postoperatieve analgesie en pijnscores. 18-19 mei 2000, Veldhoven Chirurgendagen

Endoscopic parathyroidectomy: Description of a new technique. 8th International Congress European Association for Endoscopic Surgery. June 28-July 1 2000, Nice

Postoperative interpleural ropivacain for prevention of shoulder-tip pain after laparoscopic cholecystectomy. 8th International Congress European Association for Endoscopic Surgery. June 28-July 1 2000, Nice

Experimental data in colorectal surgery. International course in Laparoscopic surgery for colorectal diseases. Trondheim 31 August-2 September 2000

Color study. International course in Laparoscopic Surgery for colorectal diseases Trondheim 31 August-2 September 2000

Per-operatieve turbo-PTH bepaling; noodzakelijk bij adequate bij schildklierchirurgie? Chirurgendagen 17 en 18 mei 2001, Veldhoven

De sensitiviteit en specificiteit van schildklierpuncties. Chirurgedagen 17 en 18 mei 2001, Veldhoven

Immunological consequences of laparoscopic surgery. European Association for Endoscopic Surgery, Maastricht June 13-16, 2001

Cancer models for endoscopic surgery research. European Association for Endoscopic Surgery, Lisboa, June 2-5, 2002

Laparoscopic placement of feeding tube in stomach or jejunum. European Association for Endoscopic Surgery, Lisboa June 2-5, 2002

Complications and recurrences after laparoscopic colon surgery for cancer. (invited speaker) Controversies of Laparoscopic Colon Surgery, Leeuwarden October 3 and 4, 2002

Gastro-intestinal function after laparoscopic surgery. (invited speaker) EAES Congress 2003, Glasgow, Scotland U.K.

Les geven over laparoscopische chirurgie aan opleidings assistenten (Tyco) 01-09-2006

PAX meeting, Leuven, België, September 28-30, 2006 (invited speaker)
Robot assisted incisional hernia repair

Najaarsvergadering Nederlandse Vereniging voor Heelkunde 2006 (invited speaker) 24-11-2006. Esophyx, endoluminale funduplicatie voor gastro-oesophageale reflux

Randwijckcursus voor huisartsen, 30-1-2007
Operatieve ingreep bij zuurbranden

Congres Venetie 19-21 januari 2007
User Meeting Endogastric Solutions, Venice Italy January 20th
Tips and Maastricht experience with the Esophyx device.

Congres Wenen 1-2 februari 2007
A new solution to reduce abdominal adhesion formation. Workshop
Surgical Hemostasis, vascular sealing, hernia repair and Adhesion prevention.
Vienna, Austria 1&2 February 2007.

NVEC Nederlandse vereniging voor Endoscopische chirurgie 3-5 March Leeuwarden, The Netherlands. Esophyx for transluminal hernia repair in GERD patients

15-18 april 2007. 7th International congress on ambulatory surgery, RAI, Amsterdam. Endoluminal fundoplication (ELF) with the Esophyx Device for the treatment of GERD.

27-6-07 thema avond Endoscopie in het kader van bijscholing van operatie assistenten Atrium Heerlen. Nieuwe endoscopische technieken.

4-7 juli 07 EAES Athene. Endoluminal fundoplication (ELF) with the esophyx device for treatment of GERD: 40 patients.

September 13-15, 2007: European Society of Esophagology (ESE) meeting Dublin
Transoral Intraluminal Therapy for GERD (invited speaker)

29/9-2/10/07, Antalya, Turkije
NVEC "de breuk in nieuw perspectief"
Learning curve en complicaties van laparoscopische Nissen fundoplicatie

November 4, 2007 Najaarsvergadering NVvH te Veldhoven
Endoscopische therapie is de behandeling voor de toekomst.

October 4-5, 2007 NVGE Najaarscongres. Endoluminale technieken ter bestrijding van GERD. (invited speaker)

October 11th 2007: LIFE SESSIE Life esophyx surgery, University Hospital Copenhagen.

11 en 12 oktober 2007, Beesterzwaag, Chivo dagen. Hoe ziet de chirurgie er over vijf jaar uit? (invited speaker)

November 7, 2007 Brussel: 2nd Transoral Intra-gastric surgery workshop. "The anatomical and physical aspects of the endoluminal fundoplication after GERD"

December 22, 2007. Life surgery Moscow University Hospital: First Esophyx procedure in Sovjet Union. (invited speaker)

February 29, 2008 Advances in Transoral Foregut Surgery, Ohio USA, (Course on NOTES) (invited speaker)
- Techniques & Outcomes of Esophyx
- Future Directions in Gastrointestinal & Minimally Invasive Surgery

27-28 maart 2008. 6e jaarscongres NVEC te Rotterdam. Tips and Trics: skills in laparoscopy. (invited speaker)

April 9-12, 2008, SAGES 2008 Surgical spring week, Pennsylvania, Philadelphia
Latest insights in endoluminal GERD therapies (invited speaker)

22 en 23 mei 2008 Chirurgendagen Veldhoven. Nieuwe Chirurgische Technieken voor GERD. (invited speaker)

16th international congress of the European association for endoscopic surgery (EAES), Stockholm, 11-14 June 2008 faculty
- Specific devices for bariatric surgery
- Internal sleeve

A-KO CISS symposium 26-6-08 Randwijck. Innovative surgical techniques

September 18-20 2008 VIII PAX meeting Clermont Ferrand. Surgical Trauma and Tumor Dissemination. (invited speaker)

September 25-26 2008 AUGIS Conference 12th Annual Scientific Meeting, Liverpool
"Endoscopic Fundoplication – here to stay?" (invited speaker)

March 23th 2009 BSG Annual meeting Glasgow. "Endoluminal Therapy for GERD"
(invited speaker)

2-3 April 2009 NVEC congress Back to Business, Academic Medical Centre
Amsterdam (invited speaker): The latest on Esophyx

14-15 May 2009 Chirurgendagen Veldhoven: (invited speaker) "uitslagen enquete
chirurgie tav adhesies"

June 17-20, 2009. Prague, 17th international congress of the European Association
for Endoscopic Surgery (EAES) faculty

- Update on endoluminal therapies for GERD
- demonstration of Esophyx technique

June 25-26, 2009: faculty Baxter BioSurgery's Applicatietraining, Wenen, Oostenrijk

- 25/6 -Hemostase: fixation of hernia meshes
- Hemostase: adhesions, impact / adhesion reducing strategies
- 26/6 "Live surgery" in animal lab: fixation of hernia meshes and anastomose-
sealing

September 11th 2009 2nd Live Surgery Congress te Leuven: life surgery and
presentation Esophyx for reflux (invited speaker)

November 11, 2009 NVOG Nederlandse Vereniging voor Obstetrie & Gynaecologie,
Awareness onder gynaecologen en chirurgen over adhesies (invited speaker)

December 3-4, 2009 Rotterdam Interactive Congress on Hernia (RICH) & Peritoneum
and Surgery Society (PnS). Rodent models for hernia and adhesion research. Faculty
and invited speaker.

June 3-5 2010 in Mannheim: D-notes zwischen Labor und Klinik

- 4-6-10: - Live-on-stage-Endoskopie: Esophyx: N. Bouvy en G Koek
- Esophyx – wirksame endoluminale Fundoplication?
- Endolumenal Malabsorptive Therapy: Endo-Barrier and other
therapies

June 16-19 , 2010 Geneva 18th International Congress of the European Association
for Endoscopic Surgery (EAES) faculty

- Advances in Nutritional and Metabolic care in Bariatric Surgery.

1-7-10 3rd Nutrim Liver Day, universiteit Maastricht

Presentation: Gastrointestinal sleeves – the effects on liver steatosis

November 4-5 2010, Endo Club Nord 2010, Hamburg: Faculty, "Life endobarrier
procedure"

October 22 and 23 2010, Genk Belgium International Congress of the Royal Belgian
Society of Otorhinolaryngology. "Robot assisted thyreoidectomy and dutch guidelines".
(faculty and invited speaker)

May 12 2011 12th Belgian Surgical Week, Ostende, Belgium. Endoluminal
techniquesfor revisional bariatric Surgery (Rose procedure, Stomaphyx and
BaroSense) (invited speaker)

XVI World Congress of the International Federation for the Surgery of Obesity and Metabolic Disorders (IFSO), Hamburg, Germany, August 31 – September 3, 2011. Endobarrier to treat overweight and diabetes (invited speaker)

Expert Meeting 2011, Duiven, Nederland, 24 november 2011. New developments, non invasive therapy in metabolic surgery. (invited speaker)

6th Rotterdam Interactive Congress on Hernia (RICH). 13 January 2012 How to solve adhesion formation on intra-abdominal meshes and tackers. (faculty and invited speaker)

Boothcamp Heelkundige specialismen January 2013 (faculty and invited speaker)

BGES Monday evening session Leuven Faculty club. Belgie, 17th June 2013, New approaches to treat GERD. (invited speaker)

19th-22th June, 2013 Vienna 21th International Congress of the European Association for Endoscopic Surgery (EAES) faculty and invited speaker
"Endoluminal Techniques for Bariatric Surgery"

13th-14th September 2013. Kopenhagen European Hernia Symposium "Adhesix mesh for inguinal hernia repair, a randomized clinical trial" (invited speaker)

9th January 2014 Medtronic Patient Event. Roda-hal Kerkrade (invited speaker)

13th January 2014 Basiscursus Heelkunde CASH (invited speaker)

29th January 2014. Faculty Laparoscopic Hernia Surgery. Rotterdam

25-3-14 11^e NVEC: Hollandsche Meesters: 25 jaar Minimaal Invasieve Chirurgie in Nederland, Beurs van Berlage Amsterdam (faculty)

27-11-2014 Expert meeting 2014 "Future perspectives: prevention of GERD after bariatric surgery and novel surgical treatment options" (invited speaker)

RICH Congres, Rotterdam (invited speaker)
Animal models in mesh research

15-1 CCN congress Supernova (faculty): "Opereren in de nabije toekomst: fictie en facts" te Jaarbeurs Utrecht

Wintermeeting EAES Rome January 2015
Bile duct identification using ICG – The Clinical advantages
Robotic surgery, 3D and ICG – Synergistic technologies for future surgery

12^e NVEC Congres 'New Age Surgery', 26 maart 2015, Amsterdam Battle: "Robot Chirurgie Ja of Nee"

2 juni Boekarest: NVEC Dutch Day (tijdens EAES) "anti-reflux surgery"
3-5 juni Boekarest: EAES congress: the 23rd International Congress of the European Association for Endoscopic Surgery (EAES) S60 New devices for the bariatric patient
Titel presentation: Endoscopic sleeve devices (invited speaker)

15-6 Symposium Schildklier: De nieuwe richtlijn Schildkliercarcinoom, aanpakken en aanpassen. Theater Hotel Oranjerie Roermond

8-10-15 NVGIC symposium Veldhoven:

- Endoluminale technieken voor refluxziekte: veelbelovend of is de hype voorbij?

12 Oct 2015 TEDx Maastricht: The knifeless future of surgery

26-28 oktober UEG Week Congress, Barcelona (invited speaker)

- longterm failure: what to do ?
- Round Table Discussion: Management of the difficult GORD patient
- New surgical treatment options for GERD

12-14 november 2015 EURO-NOTES EAES, Torino, Italy (faculty)
presentatie: The present and the future of endosleeves

3 december: Invitational Conference Radboud UMC Nijmegen

- onderwijspoli's: een mooie kans voor gender ?

Recent Contributions to meetings of PhD researchers

G.H.E.J. Vijgen, N.D. Bouvy, G.J. J. Teule, B. Brans, P. Schrauwen, W.D. van Marken Lichtenbelt. Brown adipose tissue before and after major weight loss following bariatric surgery. Voorjaarsbijeenkomst van de Nederlandse Associatie voor de Studie van Obesitas (NASO), Zwolle 14 april 2011. (oral)

G.H.E.J. Vijgen, N.D. Bouvy, G.J.J. Teule, B. Brans, P. Schrauwen, W. D. van Marken Lichtenbelt. Bruin vet activiteit voor en na bariatrische chirurgie. Oprichtingsvergadering Dutch Society of Metabolic and Bariatric Surgery (DSMBS) 15 april 2011, Bussum. 'Bariatrische en metabole chirurgie: basaal onderzoek van Nederlandse bodem'. (oral)

G. Vijgen, J. Schepens, N.D. Bouvy, W. van Marken Lichtenbelt, B. Brans. A novel semi-automatic method to quantify human brown adipose tissue (BAT) activity on 18FFDG PET-CT. Society of Nuclear Medicine's 2011 Annual Meeting June 4-8, 2011, San Antonio, Texas. (poster).

G.H.E.J. Vijgen, N.D. Bouvy, G.J.J. Teule, B. Brans, P. Schrauwen, W.D. van Marken Lichtenbelt. Brown adipose tissue in morbidly obese subjects. 18th European Congress on Obesity (ECO) Istanbul, Turkey. May 25 - May 28 2011. (oral)

G.H.E.J. Vijgen, N.D. Bouvy, G.J.J. Teule, B. Brans, P. Schrauwen, W.D. van Marken Lichtenbelt. Brown adipose tissue before and after bariatric surgery. XVI World Congress of the International Federation for the Surgery of Obesity and Metabolic Disorders (IFSO), Hamburg, Germany, August 31 - September 3, 2011. (oral)

C. de Jonge, Bouvy ND, Greve JW, Buurman W. Chirurgedagen EndoBarrier™ GastroIntestinal Liner behandeling resulteert in gewichtsverlies en snelle diabetes verbetering in obese patienten. Chirurgedagen 20-21 mei, 2011 Veldhoven. (oral)