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## CURRICULUM VITAE

**Jan Irma Theophiel Poelaert, MD, PhD**

### Personalia

Home address

Wittepaalstraat 34  
9051 Afsnee-Gent, Belgium  
Tel.: +32 9 221 90 06  
GSM: +32 478 872089

Professional address

Head, Department Anesthesiology  
UZ Brussel  
Laarbeeklaan 101  
B-1090 Brussels, Belgium  
Tel dect: + 32 2 476 31 44  
Tel secr.: + 32 2 477 89 26  
Fax: + 32 2 477 89 60

Electronic mail: *jan.poelaert@uzbrussel.be*

Birthday and place

September 28, 1956, Gent

Marial status

Married July 3, 1985 with Martine Devos

Children

Annemie, born February 3, 1987  
Thomas, born July 2, 1988  
Pieterjan, born September 4, 1989  
Katrien, born January 4, 1991  
Johan, born August 17, 1995  
Greet, born September 14, 1996  
Simon, born August 10, 2001

Actual and former positions

Head of Department Anesthesiology, UZ Brussel (October 1, 2007 - )  
OR-Manager (December 1, 2008 - December 31, 2011)  
Clinical Director Cardiac Anaesthesia and Postoperative Cardiac Surgical ICU niv. Hospital Gent, Belgium (till September 30, 2007)  
Board certified Anaesthetist of the Belgian Association of Anaesthesia and Reanimation (August 12, 1988)  
Board certified Critical Care Physician of the Belgian Association of Intensive Care Medicine (October 23, 1997)

Languages

Dutch native language  
French spoken and written  
English fluently written and spoken  
German (passive)

## Education and Specialisation

Primary and Secondary school in the St.Jozefscollege, Aalst, Belgium.

Doctor of Medicine July 6, 1983 (Faculty of Medicine, University of Ghent, Belgium)

Education in anaesthesia and reanimation (5 years):

- Training in anaesthesia (1983-1987) with Prof.Dr G.Rolly (University Hospital, Ghent)
- October 1985 until June 1986 Pain Clinic (University Hospital, Ghent)
- November 1, 1986 till January 31, 1987 cardiovascular anaesthesia and postoperative care (Onze-Lieve-Vrouweziekenhuis, Aalst).
- October 1, 1987 till March 31, 1988 Intensive Care in the Academisch Medisch Centrum, University Hospital of the University of Amsterdam (chair: Dr P.C.M. Vanden Berg): both cardiovascular and general surgical postoperative care and medical ICU.
- April 1, 1988 till July 31, 1988 Intensive Care (chair: Prof F. Colardyn) in the University Hospital of Ghent, Belgium.

Board certified August 12, 1988.

## Academic career:

- Full time Scientific Collaborator since November 1, 1989 in the Department of ICU, Univ. Hospital Gent.
- March 1, 1993: Junior Lecturer in Anesthesiology and Critical Care
- February 1, 1999: senior Lecturer in Anesthesiology and Critical Care
- PhD in the Medical Sciences cum laude (November 22, 1995), with the thesis, entitled "Transoesophageal Echocardiography in Critically Ill Patients. A Comprehensive Approach" (1995). Promotores: Prof. Dr F. Colardyn, Gent and Prof. Dr CA Visser, Amsterdam.
- October 1, 2005: Head Lecturer in Anesthesiology and Critical Care
- October 1, 2006: Full professor (5%) at the University of Ghent
- November 1, 2007: Full professor (20%) at the Free University of Brussels (VUB)

## Clinical career:

Adjunct Clinical Director (1995-1998)

Clinical Director Intensive Care, University Ghent (June 1, 1998- September 30, 2007)

Responsible Cardiac Surgical ICU (January 1990-September 2007) and partim cardiac anaesthesia (adults, children, and newborns) till September 2007 in the Univ. Hospital Ghent, Belgium

Duties in the hospital (cardiac anaesthesia, critical care department from 1989).

Critical Care and Anaesthesia consultant in all other services of the Ghent University Hospital.

Consultant for transoesophageal echocardiography in the Surgical and Medical ICU and in the Emergency Department.

Head, Department Anesthesiology, UZ Brussel (October 1<sup>st</sup>, 2007 - )

Manager, Operation Rooms, UZ Brussel (October 24, 2008 - December 31, 2011)

## Certificates:

Board certification Anaesthesia and Reanimation: August 12, 1988

Certificate ICU : October 23, 1997

## Other certificates:

- People Management. Vlerick School of Management. Gent. October and November 1997
- Management for Hospital Doctor. Vlerick School of Management. Gent. 1998
- European Association of Echocardiography (a registered branch of the ESC): Accreditation in Adult Transoesophageal Echocardiography – Written Assessment, Prague, Czech, 8 December 2006.
- Financial Management, Vlerick School of Management, Gent, February 17, March 19, May 5 and June 26, 2008

APLS certificate November 2016

GCP certificate January 26, 2015; renewed March 22, 2017

**Doctoral Thesis (PhD):**

“Transoesophageal Echocardiography in Critically Ill Patients. A Comprehensive Approach”.

Doctor in medical science with the highest degree (November 22, 1995).- University Ghent.

Promotors: Prof. Dr. F. Colardyn, Prof. Dr. CA Visser (Amsterdam).

**Prices:**

- International Trauma Anesthesia and Critical Care Association (ITACCS) Research Grant voor "Jugular Bulb Oximetry in Severe Head Injury" (1992).
- Second Price "Jugular Bulb Oximetry as a Guide to Therapy of Hepatic Encephalopathy". J. Decruyenaere, C. De Deyne, J. Poelaert, J. Van Aken, E. Mortier, B. de Hemptinne, F. Colardyn te Innsbruck on the Annual LICAGE meeting (1993).
- The effects of nicardipine on left ventricular contractility after coronary artery bypass surgery. D. Rijckaert, C. Schmidt, J. Poelaert, C. Roosens, F. Colardyn. Price Best Presentation Spring Meeting. Belgian Association of ICU, April 1997.
- Left Ventricular Systolic Function after Cardiac Surgery with Different Plasma Levels of Propofol Sedation. S. Herbout, C. Schmidt, C. Roosens, Y. Deryck, G. Van Nooten, F. Colardyn, J. Poelaert. Price Best Presentation Spring Meeting. Belgian Association of ICU, May 1998.
- Propofol and left ventricular contractility after coronary bypass surgery. S. Herbout, C. Schmidt, C. Roosens, F. Colardyn, J. Poelaert. Second Price Poster Presentation 17th International Congress on Cardiovascular Anesthesia and Cardiopulmonary Bypass. St Thomas, VI, US. January 1999.

**Expert:**Member Editorial Board:

1993 - : Journal of Cardiothoracic and Vascular Anesthesia.(Editor in Chief: JA Kaplan, Louisville, KY, US)

Reviewer and Consultant of:

Anesthesia and Analgesia

Anesthesiology

British Journal of Anaesthesia

Chest

Intensive Care Medicine

Critical Care

Critical Care Medicine

Acta Anaesthesiologica Belgica

European Journal of Heart Failure

American Journal of Respiratory and Critical Care Medicine

Visiting Professor:

December 1995 – March 1996 in the Klinik und Poliklinik für Anästhesiologie und operative Intensivmedizin (Prof. Dr H.Van Aken) of the Westphalische Wilhelmsuniversität, Munster, Deutschland. Educational program of transoesophageal echocardiography in the anaesthesia and critical care department.

February 20-26, 2005 in the Klinik für Anaesthesiologie und operative Intensivmedizin (Prof. Dr. H. Metzler) of the Uniklinik, Graz, Austria. Educational program of transoesophageal echocardiography in the anaesthesia and critical care department.

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Expert in different theses (abroad) – full list see beneath:

- Medical Doctoral Thesis Michelle Chew, MD “Noninvasive Paediatric Cardiac Output Measurement using Doppler Echocardiography: Surface Integration of Velocity Vectors” (September 28, 2000) in Aarhus, Denmark: Opponent and member of the Examination Jury
- Medical Doctoral Thesis Michael Haney, MD (March 15, 2002) in Umea, Sweden: Member of the Examination Jury.
- Medical doctoral thesis A’Roch, R (2011) Left ventricular function’s relation to load, experimental studies in a porcine model. Umea, Sweden.
- B Bouhemad (2013) Use of Ultrasonography in Cardiac and Pulmonary Disease. Paris, France
- Thesis for the fulfilment of the PhD degree in medical sciences. Giulio Conte. Clinical, diagnostic and therapeutic aspects of Brugada syndrome in different age-related categories of patients: focus on children and the elderly. Brussel, 24 March 2015.
- Doctor in de Medische Wetenschappen (PhD degree in Medical Sciences) aan de Vrije Universiteit Brussel. Yves De Greef. New developments in percutaneous ablation of paroxysmal atrial fibrillation: focus on the multipolar radiofrequency ablation techniques. Brussel, april 2015.

**Cooperation with other disciplines within the University of Ghent until 2007:**

Lab for Hydraulics (Prof. Dr. Ir. P. Verdonck – Prof. Dr. Ir. P. Segers); witness of this different research projects (ut supra) and publications (cfr. Infra).

**ESICM**

chair of Section on Cardiovascular Management – 2 terms (2005-2011)

**ESA**

chair of the Subcommittee on Clinical and Experimental Circulation (2000-2004)

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**PUBLICATIONS (ARRANGED PER CATEGORY BY UNDERMENTIONED DEFINITIONS AND IN EACH CATEGORY CHRONOLOGICAL)**

Articles

- (a<sub>1</sub>) articles in periodicals inserted in Science Citation Index, Social Science Citation Index, Arts and Humanities Citation Index
- (a<sub>2</sub>) articles in scientific periodicals which have a large spreading, appeal to international experts for review of the send in manuscripts and exclusive of (a<sub>1</sub>)
- (a<sub>3</sub>) articles in national periodicals which make us of a reader committee and exclusive of (a<sub>1</sub>) en (a<sub>2</sub>)
- (a<sub>4</sub>) articles in periodicals exclusive of (a<sub>1</sub>), (a<sub>2</sub>) en (a<sub>3</sub>)

Books

- (b<sub>1</sub>) author or co-author of books
- (b<sub>2</sub>) chapters in books
- (b<sub>3</sub>) books as editor

Other publications

- (c<sub>1</sub>) articles in proceedings scientific meetings, exclusive of previous sections (abstract)
- (c<sub>2</sub>) patents

## Articles

### (a<sub>1</sub>) articles in periodicals inserted in Science Citation Index, Social Science Citation Index, Arts and Humanities Citation Index

1. De Coster, O., Forget, P., Moens, M., Matic, M., Choustoulakis, L. & Poelaert, J. A new minimally invasive technique for lead revision of perc-paddle leads. *Acta Neurochirurgica* 2018, 160; 4; 831-833
2. Najafi, N., Van De Velde, A. & Poelaert, J. Alterations in haemodynamic parameters during procedural sedation and analgesia in children: Is ketamine really to blame? *Human and Experimental Toxicology* 2018; 37; 1; 102-103
3. Beckers, S., Umbrain, V., Van Gompel, C., Sablon, A., De Waele, E., Verborgh, C., Nijs, J. & Poelaert, J. Cardiac Bypass Surgery in a Patient with an Indolent Systemic Mastocytosis. *Journal of Anesthesia & Intensive Care Medicine* 2018; 4; 5; 3; 555-649
4. Bolliger, D., Poltera, C., Cheung, A. T., Couture, P., Michaux, I., Poelaert, J., Preisman, S., Skarvan, K., Buse, G. L. & Seeberger, M. D. Assessment of Left Ventricular Dimensions by Transoesophageal Echocardiography in Patients During Coronary Artery Bypass Surgery. *Turkish Journal of Anaesthesiology and Reanimation* 2017; 45; 6; 367-373
5. Poelaert, J. & Malbrain, M. L. N. G. Cardiac ultrasound: a true haemodynamic monitor? *Anaesthesiology Intensive Therapy* (Epub ahead of print)
6. LAS VEGAS investigators. Epidemiology, practice of ventilation and outcome for patients at increased risk of postoperative pulmonary complications: LAS VEGAS - an observational study in 29 countries. *European Journal of Anaesthesiology* 2017; 34; 8; 492-507
7. Kahan, B. C., Koulenti, D., Arvaniti, K., Beavis, V., Campbell, D., Chan, M., Moreno, R., Pearse, R. M. & International Surgical Outcomes Study (ISOS) group. Critical care admission following elective surgery was not associated with survival benefit: Prospective analysis of data from 27 countries. *Intensive Care Medicine* 2017; 43; 7; 971-979
8. Flamée, P. & Poelaert, J. Could Brugada Syndrome complicate anesthesia? *Journal of Clinical Anesthesia* 2017; 39, p. 105
9. Velagić, V., de Asmundis, C., Mugnai, G., Hünük, B., Hacıoğlu, E., Ströker, E., Moran, D., Ruggiero, D., Poelaert, J., Verborgh, C., Umbrain, V., Paparella, G., Beckers, S., Brugada, P. & Chierchia, J-B. Learning curve using the second-generation cryoballoon ablation. *Journal of Cardiovascular Medicine* 2017; 18; 7; 518-527
10. Malbrain, M. L. N. G., De Tavernier, B., Haverals, S., Slama, M., Vieillard-Baron, A., Wong, A., Poelaert, J., Monnet, X., Stockman, W., Elbers, P. & Lichtenstein, D. Executive summary on the use of ultrasound in the critically ill: consensus report from the 3rd Course on Acute Care Ultrasound (CACU). *Anaesthesiology Intensive Therapy* 2017; 49; 5; 393-411
11. Habre, W., Disma, N., Virag, K., Becke, K., Hansen, T. G., Joehr, M., Leva, B., Morton, N. S., Vermeulen, P. M., Zielinska, M., Boda, K., Veyckemans, F., Klimscha, W., Konecny, R., Luntzer, R., Morawk-Wintersperger, U., Neiger, F., Rustemeyer, L., Breschan, C., Frey, D., Platzer, M., Germann, R., Oeding, J., Stoegermuller, B., Ziegler, B., Brotatsch, P., Gutmann, A., Mausser, G., Messerer, B., Toller, W., Vittinghoff, M., Zangl, G., Seidel-Ahyai, N., Hochhold, C., Kroess, R., Paal, P., Cnudde, S., Coucke, P., Loveniers, B., Mitchell, J., Kahn, D., Pirotte, T., Pregardien, C., Veyckemans, F., Coppens, M., De Baerdemaeker, L., De Hert, S., Heyse, B., Neckebroek, M., Parashchanka, A., Van Limmen, J., Van Den Eynde, N., Vanpeteghem, C., Wyffels, P., Lalot, M., Lechat, J-P., Stevens, F., Casaer, S., De Groote, F., De Pooter, F., De Ville, A., Gerin, M., Magasich, N., Torres, C. S., Van Deenen, D., Berghmans, J., Himpe, D., Roofthoof, E., Joukes, E., Smits, C., Van Reeth, V., Huygens, C., Lauweryns, J., De Smet, K., Najafi, N., Poelaert, J., Van de Velde, A., & 258 others. Incidence of severe critical events in paediatric anaesthesia (APRICOT): a prospective multicentre observational study in 261 hospitals in Europe. *2017 The Lancet Respiratory Medicine* 2017. 5; 5; 412-425
12. Ahmad, T., Bouwman, R. A., Grigoras, I., Aldecoa, C., Hofer, C., Hoeft, A., Holt, P., Fleisher, L. A., Buhre, W., Pearse, R. M., Ferguson, M., MacMahon, M., Shulman, M., Cherian, R., Currow, H., Kanathiban, K., Gillespie, D., Pathmanathan, E., Phillips, K., Reynolds, J., Rowley, J., Douglas, J., Kerridge, R., Garg, S., Bennett, M., Jain, M., Alcock, D., Terblanche, N., Cotter, R., Leslie, K., Stewart, M., Zingerle, N., Clyde, A., Hambidge, O., Rehak, A., Cotterell, S., Huynh, W. B. Q., McCulloch, T., Ben-Menachem, E., Egan, T., Cope, J., Halliwell, R., Fellingner, P., Haisjackl, M., Haselberger, S., Holaubek, C., Lichtenegger, P., Scherz, F., Schmid, W., Hoffer, F., Cakova, V., Eichwalder, A., Fischbach, N., Klug, R., Schneider, E., Vesely, M., Wickenhauser, R., Grubmueller, K. G., Leitgeb, M., Lang, F., Toro, N., Bauer, M., Laengle, F., Haberl, C., Mayrhofer, T., Trybus, C., Buerkle, C., Forstner, K., Germann, R., Rinoesl, H., Schindler, E., Trampitsch, E., Bogner, G., Dankl, D., Duenser, M., Fritsch, G., Gradwohl-Matis, I., Hartmann, A., Hoelzenbein, T., Jaeger, T., Landauer, F., Lindl, G., Lux, M., Steindl, J., Stundner, O., Szabo, C., Bidgoli, J., Verdoodt, H.,

- Forget, P., Kahn, D., Lois, F., Momeni, M., Pregardien, C., Pospiech, A., Steyaert, A., Veevaete, L., De Kegel, D., De Jongh, K., Foubert, L., Smits, C., Vercauteren, M., Poelaert, J., & 1.136 others. Use of failure-to-rescue to identify international variation in postoperative care in low-, middle- and high-income countries: a 7-day cohort study of elective surgery. *British Journal of Anaesthesia* 2017; 119; 2; 258-266
13. Poelaert J. Diastolic dysfunction and sepsis: the devil is in the detail. *British Journal of Anaesthesia*. 2017;119(4): 555-7
  14. de Asmundis, C., G. B. Chierchia, G. Mugnai, I. Van Loo, J. Nijs, J. Czaplá, G. Conte, V. Velagic, M. Rodrigues Manero, G. Ciconte, E. Stroker, V. Umbrain, J. Poelaert, P. Brugada and M. La Meir. "Midterm clinical outcomes of concomitant thoracoscopic epicardial and transcatheter endocardial ablation for persistent and long-standing persistent atrial fibrillation: a single-centre experience." *Europace* 2017;19(1): 58-65.
  15. Flamee, P., W. Dewals and J. Poelaert. "Uneventful prolonged propofol infusion in a patient with Brugada syndrome." *Anaesth Intensive Care* 2017; 45(1): 124-125.
  16. Mugnai, G., B. Hunuk, E. Stroker, D. Ruggiero, H. E. Coutino-Moreno, K. Takarada, V. De Regibus, R. Choudhury, J. P. Abugattas de Torres, D. Moran, S. Iacopino, P. Filannino, G. Conte, J. Sieira, J. Poelaert, S. Beckers, P. Brugada, C. de Asmundis and G. B. Chierchia. "Long-term outcome of pulmonary vein isolation in patients with paroxysmal atrial fibrillation and Brugada syndrome." *Europace* 2017.
  17. Van Eeckhaut, A., P. Vanfleteren, J. Van Schoors, Y. Van Wanseele, J. Poelaert and Y. Michotte. "Quantification of piritramide in human colostrum." *J Clin Pharm Ther*. 2017
  19. Martin, C., De Baerdemaeker, A., Poelaert, J., Madder, A., Hoogenboom, R. & Ballet, S. Controlled-release of opioids for improved pain management. *Materials Today* 2016; 19, 9, p. 491-502
  20. Van de Velde S, Kalmar AF, Raes M, Poelaert J, Lootens T, Vanoverschelde H. Lower Extremity Near-infrared Spectroscopy After Popliteal Block For Orthopaedic Foot Surgery. *The open orthopaedics journal*. 2016;10:258-63.
  21. Poelaert JI, Bouchez S. Perioperative echocardiographic assessment of mitral valve regurgitation: a comprehensive review. *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*. 2016.
  22. Najafi N, Veyckemans F, Van de Velde A, Poelaert J. Usability of dexmedetomidine for deep sedation in infants and small children with respiratory morbidities. *Acta anaesthesiologica Scandinavica*. 2016;60(7):865-73.
  23. Najafi N, Veyckemans F, Du Maine C, van de Velde A, de Backer A, Vanderlinden K, et al. Systemic Toxicity Following the Use of 1% Ropivacaine for Pediatric Penile Nerve Block. *Regional anesthesia and pain medicine*. 2016;41(4):549-50.
  24. Mugnai G, de Asmundis C, Velagic V, Hunuk B, Stroker E, Wauters K, et al. Phrenic nerve injury during ablation with the second-generation cryoballoon: analysis of the temperature drop behaviour in a large cohort of patients. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*. 2016;18(5):702-9.
  25. Mugnai G, de Asmundis C, Stroker E, Hunuk B, Moran D, Ruggiero D, et al. Femoral venous pressure waveform as indicator of phrenic nerve injury in the setting of second-generation cryoballoon ablation. *J Cardiovasc Med (Hagerstown)*. 2016.
  26. Mugnai G, de Asmundis C, Hunuk B, Stroker E, Velagic V, Moran D, et al. Second-generation cryoballoon ablation for paroxysmal atrial fibrillation: Predictive role of atrial arrhythmias occurring in the blanking period on the incidence of late recurrences. *Heart rhythm : the official journal of the Heart Rhythm Society*. 2016;13(4):845-51.
  27. Mugnai G, de Asmundis C, Hunuk B, Stroker E, Moran D, Hacıoglu E, et al. Improved visualisation of real-time recordings during third generation cryoballoon ablation: a comparison between the novel short-tip and the second generation device. *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*. 2016;46(3):307-14.
  28. Maes S, Laubach M, Poelaert J. Randomised controlled trial of spinal anaesthesia with bupivacaine or 2-chloroprocaine during caesarean section. *Acta Anaesthesiologica Scandinavica*. 2016;60(5):642-9.
  29. Irfan G, de Asmundis C, Mugnai G, Poelaert J, Verborgh C, Umbrain V, et al. One-year follow-up after second-generation cryoballoon ablation for atrial fibrillation in a large cohort of patients: a single-centre experience. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*. 2016;18(7):987-93.
  30. de Asmundis C, Chierchia GB, Mugnai G, Van Loo I, Nijs J, Czaplá J, et al. Midterm clinical outcomes of concomitant thoracoscopic epicardial and transcatheter endocardial ablation for persistent and long-standing persistent atrial fibrillation: a single-centre experience. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on*

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- cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology. 2016.
31. Coutino HE, de Asmundis C, Mugnai G, Moran D, De Regibus V, Stroker E, et al. Repeat procedures after second-generation cryoballoon ablation as an index procedure for persistent atrial fibrillation: one-year follow-up. *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*. 2016.
  32. Chierchia GB, Mugnai G, Stroker E, Velagic V, Hunuk B, Moran D, et al. Incidence of real-time recordings of pulmonary vein potentials using the third-generation short-tip cryoballoon. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*. 2016;18(8):1158-63.
  33. Poelaert J, Koopmans-Klein G, Diah A, Louis F, Gorissen M, Loge D, et al. Treatment with prolonged-release oxycodone/naloxone improves pain relief and opioid-induced constipation compared with prolonged-release oxycodone in patients with chronic severe pain and laxative-refractory constipation. *Clinical therapeutics*. 2015;37(4):784-92.
  34. Beckers, S., Casselman, M., Verborgh, C., Umbrain, V., Flamee, P. & Poelaert, J. Influence of Xenon-anaesthesia on micro- and macrocirculatory parameters. *European Journal of Anaesthesiology* 2015. 32; 9 10; 53.
  35. Poelaert J, Flamee P. Does the choice of colloids interfere with the outcome in critically ill patients? A critical appraisal. *Journal of anaesthesiology, clinical pharmacology*. 2015;31(3):293-4.
  36. Poelaert J. Assessment of loading conditions with cardiac ultrasound. A comprehensive review. *Anaesthesiology intensive therapy*. 2015;47(5):464-70.
  37. Via G, Hussain A, Wells M, Reardon R, ElBarbary M, Noble VE, et al. International evidence-based recommendations for focused cardiac ultrasound. *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*. 2014;27(7):683 e1- e33.
  38. Raes M, Poelaert J. Importance of preoperative anaesthetic consultation in perioperative medicine. *Acta clinica Belgica*. 2014;69(3):200-3.
  39. Poelaert J, Haentjens P, Blot S. Association among duration of mechanical ventilation, cuff material of endotracheal tube, and postoperative nosocomial pneumonia in cardiac surgical patients: a prospective study. *The Journal of thoracic and cardiovascular surgery*. 2014;148(4):1622-7.
  40. McLean A, Lamperti M, Poelaert J. Echography is mandatory for the initial management of critically ill patients: yes. *Intensive care medicine*. 2014;40(11):1763-5.
  41. Lizy C, Swinnen W, Labeau S, Poelaert J, Vogelaers D, Vandewoude K, et al. Cuff pressure of endotracheal tubes after changes in body position in critically ill patients treated with mechanical ventilation. *American journal of critical care : an official publication, American Association of Critical-Care Nurses*. 2014;23(1):e1-8.
  42. Blot SI, Poelaert J, Kollef M. How to avoid microaspiration? A key element for the prevention of ventilator-associated pneumonia in intubated ICU patients. *BMC infectious diseases*. 2014;14:119.
  43. Aerden D, Smets D, Poelaert J, Oste J, Van den Brande P. Fighting human error : what surgeons can learn from aviators. *Acta chirurgica Belgica*. 2014;114(4):228-32.
  44. Moens M, Marien P, Brouns R, Poelaert J, De Smedt A, Buyl R, et al. Spinal cord stimulation modulates cerebral neurobiology: a proton magnetic resonance spectroscopy study. *Neuroradiology*. 2013;55(8):1039-47.
  45. Flamee P, De Asmundis C, Bhutia JT, Conte G, Beckers S, Umbrain V, et al. Safe single-dose administration of propofol in patients with established Brugada syndrome: a retrospective database analysis. *Pacing and clinical electrophysiology : PACE*. 2013;36(12):1516-21.
  46. D'Haese J, De Keukeleire T, Remory I, Van Rompaey K, Umbrain V, Poelaert J. Assessment of intraoperative microaspiration: does a modified cuff shape improve sealing? *Acta anaesthesiologica Scandinavica*. 2013;57(7):873-80.
  47. Deschepper R, Laureys S, Hachimi-Idrissi S, Poelaert J, Distelmans W, Bilsen J. Palliative sedation: why we should be more concerned about the risks that patients experience an uncomfortable death. *Pain*. 2013;154(9):1505-8.
  48. Pearce, R., Moreno, R., Bauer, P., Pelosi, P., Metnitz, P., Spies, C., Vallet, B., Vincent, J., Hoefft, A., Rhodes, A., European Surgical Outcomes Study (eusos), G. F. T. T. G. O., Poelaert, J. & Malbrain, M. Mortality after surgery in Europe: a 7 day cohort study. *Lancet* 2012. 380; 1059-1065.
  49. Ricard JD, Conti G, Boucherie M, Hormann C, Poelaert J, Quintel M, et al. A European survey of nosocomial infection control and hospital-acquired pneumonia prevention practices. *The Journal of infection*. 2012;65(4):285-91.
  50. Moens M, Sunaert S, Marien P, Brouns R, De Smedt A, Droogmans S, et al. Spinal cord stimulation modulates cerebral function: an fMRI study. *Neuroradiology*. 2012;54(12):1399-407.
  51. Moens M, Droogmans S, Spapen H, De Smedt A, Brouns R, Van Schuerbeek P, et al. Feasibility of cerebral magnetic resonance imaging in patients with externalised spinal cord stimulator. *Clinical neurology and neurosurgery*. 2012;114(2):135-41.



52. Keyaerts M, Remory I, Caveliers V, Breckpot K, Bos TJ, Poelaert J, et al. Inhibition of firefly luciferase by general anesthetics: effect on in vitro and in vivo bioluminescence imaging. *PLoS one*. 2012;7(1):e30061.
53. A'Roch R, Gustafsson U, Poelaert J, Johansson G, Haney M. Left ventricular twist is load-dependent as shown in a large animal model with controlled cardiac load. *Cardiovascular ultrasound*. 2012;10:26.
54. A'Roch R, Gustafsson U, Johansson G, Poelaert J, Haney M. Left ventricular strain and peak systolic velocity: responses to controlled changes in load and contractility, explored in a porcine model. *Cardiovascular ultrasound*. 2012;10:22.
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(a4) Letter to the editor

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19. Does Cuff Material and Design Help to Prevent Ventilator-Associated Pneumonia?" J. Poelaert. **Chest 2012; 142: 1358-9**
  20. Strategies to Prevent VAP. J. Poelaert. **Eur J Anaesthesiology 2015; 32:370**
  21. The value of poly-urethane cuffed endotracheal tubes. Poelaert, J. **Crit Care** 2016; 20(1): 290.
  22. Alterations in haemodynamic parameters during procedural sedation and analgesia in children. Najafi, N., A. Van de Velde and J. Poelaert. **Hum Exp Toxicol: 2017.**
  23. Poelaert, J. I. & Najafi, N. Evaluation of the 'no pain, no gain theory' in postoperative care following cardiac surgery. **European Journal of Anaesthesiology 2017; 34; 12; 848**
  - 24.

## **Books**

(b<sub>1</sub>) author or co-author of books: None

(b<sub>2</sub>) chapters in books

1. Prosthetic Valves. Belgian Working Group on Echocardiography and Cardiac Doppler. 1997.
2. Transesophageal echocardiographic evaluation of left ventricular function. G Poortmans, J Poelaert. Yearbook on Intensive Care Medicine and Emergency Medicine 1999 - Ed. JL Vincent
3. Practice of Transoesophageal Echocardiography. K. Skarvan, J. Poelaert. in: Transoesophageal Echocardiography in Anaesthesia - Ed. J. Poelaert, K. Skarvan. BMJ Publishing Group, London (2000)
4. Haemodynamics. J. Poelaert, K. Skarvan. In: Transoesophageal Echocardiography in Anaesthesia -Ed. J. Poelaert, K. Skarvan. BMJ Publishing Group, London (2000)
5. Evaluation of global left ventricular systolic function. C Schmidt, F Hinder, H Van Aken, T Möllhoff, JL Poelaert. In: Transoesophageal Echocardiography in Anaesthesia -Ed. J. Poelaert, K. Skarvan. BMJ Publishing Group, London (2000)
6. Transesophageal Echocardiography: the relationship between pressure, flow and function. J. Poelaert, G. Schüpfer, G. Poortmans. in: Yearbook on Intensive Care Medicine and Emergency Medicine 2000: 680-695 - Ed. JL Vincent
7. The influence of renal replacement therapy on cardiac disease in the uremic patient. H. Hoeben, S. Gevaert, J. Poelaert, N. Lameire
8. Echocardiographic determination of Afterload. J. Heerman, C. Roosens, J. Poelaert. in: Yearbook on Intensive Care Medicine and Emergency Medicine 2001 - Ed. JL Vincent
9. Echocardiography in Critical Care Medicine. J Poelaert, J-P Goarin. In: Transoesophageal Echocardiography. Ed. Ph. Vignon, J-P. Goarin (2002)
10. Monitoring left heart performance in the critically ill: a multimodal approach? J Poelaert, C Roosens, P Segers. In: Yearbook on Intensive Care and Emergency Medicine 2002 pp 519-536 – Ed. JL Vincent
11. Invasive Haemodynamic Monitoring. J. Poelaert. Anestesia Generale e Clinica (2004) pp 701-723. Ed. E. Romano
12. Haemodynamic Monitoring. J Poelaert, R Amà, K Skarvan. (2004). Transoesophageal Echocardiography in Anaesthesia and Intensive Care Medicine. Ed. J Poelaert, K Skarvan
13. Normal anatomic views. K Skarvan, J Poelaert (2004). Transoesophageal Echocardiography in Anaesthesia and Intensive Care Medicine. Ed. J Poelaert, K Skarvan
14. Education and Training in Europe. K Skarvan, J Poelaert. (2004). Transoesophageal Echocardiography in Anaesthesia and Intensive Care Medicine. Ed. J Poelaert, K Skarvan
15. Cardiac Issues : Diastolic dysfunction and cardiac failure in the intensive care unit.. J. Poelaert, E. Osipowska, C. Verborgh. In Yearbook on Intensive Care Medicine and Emergency Medicine 2008 - Ed. JL Vincent
16. Right heart failure determines outcome. In Controversies in Intensive Care Medicine. Editors: R. Kuhlen, M. Ranieri, A. Rhodes (2008) J. Poelaert, V. Umbrain
17. **Venous oximetry: monitoring of SvO<sub>2</sub> and ScvO<sub>2</sub>. Poelaert, J. & Beckers, S. 2009 Hemodynamic monitoring.. Boldt, J. (ed.). p. 79-90 12 p.**

18. Functional Mitral Valve Regurgitation. In Yearbook on Intensive Care Medicine and Emergency Medicine 2009 - Ed. JL Vincent
19. Hemodynamic Monitoring in Cardiogenic Shock. J Poelaert. In Yearbook on Intensive Care Medicine and Emergency Medicine 2011 - Ed. JL Vincent pp 406-417
20. Transoesophageal Echocardiography in the ICU. J Poelaert. In : Haemodynamic Monitoring with Echocardiography in the ICU. Ed. D De Backer, M Slama, A Vieillard-Baron, Ph Vignon. 2011
21. Use in postoperative care after cardiac surgery. In : Haemodynamic Monitoring with Echocardiography in the ICU. Ed. D De Backer, M Slama, A Vieillard-Baron, Ph Vignon. 2011
22. Prevention of postoperative pulmonary problems starts intraoperatively. J Poelaert, L Szegedi, S Blot. In Yearbook on Intensive Care Medicine and Emergency Medicine 2013 - Ed. JL Vincent. pp 539-552
23. Cardiac ultrasound and Doppler in Critically Ill Patients: Does It Improve Outcome? J Poelaert, P Flamée. In Yearbook on Intensive Care Medicine and Emergency Medicine 2014 - Ed. JL Vincent. Pp 343-53

(b<sub>3</sub>) books as editor

1. Guest Editor Baillière's Clinical Anaesthesiology. Transoesophageal Echocardiography. J Poelaert. December 1998
2. Transoesophageal Echocardiography in Anaesthesia. J Poelaert, K Skarvan (Basel) BMJ Publishing Group, London (2000) – ISBN 072791278X
3. Transoesophageal Echocardiography in Anaesthesia and Intensive Care Medicine. 2<sup>nd</sup> Edition. Ed. J Poelaert, K Skarvan. Blackwell, London (2004)

**Other publications**

(c<sub>1</sub>) articles in proceedings scientific meetings, exclusive of previous sections

1. Jugular bulb oximetry in severe head injury. C. De Deyne, J. Poelaert, T. Vandekerckhove, F. Martens, J. Van Aken, L. Calliauw. **Acta Anaesthesiol. Belgica 1991; 42: K75.**
2. Doppler Assessment of Right Ventricular Outflow Impedance during Positive Pressure Ventilation. Jan Poelaert, Jan Everaert, Johan Decruyenaere, Francis Colardyn. **J Am Coll Cardiol. 1992; 19:53A**
3. Comparison of Left Ventricular End-diastolic Filling Parameters and Pulmonary Capillary Wedge Pressure during PEEP-ventilation in ARDS Patients. J. Poelaert, J. Everaert, C. De Deyne, D. Vogelaers, A. Koch, J. Decruyenaere, F. Colardyn. **Clin Int Care 1992; 3, 46 (suppl.)**
4. Prognostic Significance of Jugular Bulb Lactate Concentrations in Severe Head Injury. C. De Deyne, J. Poelaert, T. Vandekerckhove, F. Colardyn. **Clin Int Care 1992; 3, 111 (suppl.)**
5. Doppler Echocardiographic Evaluation of Pulmonary Hypertension in ARDS. J.I. Poelaert, J.A. Everaert, J.M. Decruyenaere, F.A. Colardyn. **Chest 1992; 102: S90**
6. Transesophageal Echo Doppler Evaluation of Right Ventricular Outflow Impedance in Adult Respiratory Distress Syndrome. J.I. Poelaert, J.A. Everaert, D.P. Vogelaers, J.M. Decruyenaere, F.A. Colardyn. **Int Care Med 1992; 18: S101**
7. Value of Transesophageal Echocardiography in Septic Shock Patients. J.I. Poelaert, J.A. Everaert, D.P. Vogelaers, J.M. Decruyenaere, F.A. Colardyn. **Int Care Med 1992; 18: S176**
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10. Jugular Bulb Oximetry and Jugular Bulb Lactate Determinations in Severe Head Injury. C. De Deyne, J. Poelaert, T. Vandekerckhove, F. Colardyn. **Int Care Med 1992; 18:S91**
11. Transesophageal Echocardiographic Evaluation of Left Ventricular Systolic Function during Transvenous Defibrillator Implantation. J. Poelaert, L. Jordaens, J. Everaert, Y. Van Belleghem. **Chest 1993; 103:164S**
12. Right ventricular outflow impedance and Doppler assessment during positive pressure ventilation. J. Poelaert, J. Everaert, J. Decruyenaere, C. De Deyne, F. Colardyn. **Chest 1993; 103:301S**
13. Technical aspects of jugular bulb oximetry. C. De Deyne, J. Poelaert, J. Decruyenaere, F. Colardyn. **Crit Care Med 1993;21:S205.**
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27. Biplane transoesophageal echocardiography (TOE) and decision making during mitral valve surgery. Moerman A, Herregods L, Poelaert J, Foubert L, Rolly G. **Brit J Anesth 1995;**
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48. Outcome in critically ill patients with candidaemia: a matched case-control study. S. Blot, K. Vandewoude, E. Hoste, J. Poelaert, F. Colardyn. **Int Care Med 1999;25:S171**
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54. Statistische Prozesskontrolle zur Überwachung von geänderten Behandlungsstrategien in der Intensivmedizin. Deutsche Anästhesie Kongress. J Poelaert, G Schüpfer. **Anästhesist 2003**
55. Lernkurven für die Spinalanästhesie und die orotracheal Intubation. Einfluss von institutionellen Faktoren? G Schüpfer, J Poelaert, E Mortier. Deutsche Anästhesie Kongress. **Anästhesist 2003**
56. Use of myocardial performance index as a monitoring tool in CABG patients. An echocardiographic practicability study. J Poelaert, J Heerman, G Schuepfer, A Moerman, K Reyntjens, C Roosens. **Eur J Anaesth 2003; 20:57**
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65. Poly-urethane cuffed versus conventional endotracheal tube in the prevention of early postoperative pneumonia in cardiac surgery patients: a randomized trial. S. Van de Velde, P. Depuydt, S. Blot, J. Poelaert. **Proceedings of the Annual Meeting of the ESA (European Society of Anaesthesiology), Euroanaesthesia 2006, Madrid, Spain, 3-6 jun 2006**  
**Eur J Anaesthesiology 2006; 23 (suppl 37): 200 A-775**

66. Haemodynamic monitoring in europe: a postal survey. M. Cecconi, A. Rhodes, A. Perel, J. Poelaert. **Proceedings of the 9<sup>th</sup> ESICM (European Society of Intensive Care Medicine) Annual Congress, Barcelona, Spain, 24-27 sep 2006**
67. Value of poly-urethane cuffed endotracheal tube in the prevention of early post-operative pneumonia. A. De Wolf, S. Blot, S. Vandeveldel, P. Depuydt, J. Poelaert. **Proceedings of the 9<sup>th</sup> ESICM (European Society of Intensive Care Medicine) Annual Congress, Barcelona, Spain, 24-27 sep 2006**
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69. Case report: Abdominal compartment syndrome after cardiac surgery. A De Wolf, J De Waele, J. Poelaert. **Proceedings of 3<sup>rd</sup> World Congress on Abdominal Compartment Syndrome – WCACS 2007, Antwerp, Belgium, 21-24 mar 2007. Acta Clinica Belgica 2007; 62 (suppl 1): M14; 288**
70. Echocardiography and Doppler as a haemodynamic monitoring tool in patients with intra-abdominal hypertension and abdominal compartment syndrome. J. Poelaert, A De Wolf. **Proceedings of 3<sup>rd</sup> World Congress on Abdominal Compartment Syndrome – WCACS 2007, Antwerp, Belgium, 21-24 mar 2007. Acta Clinica Belgica 2007; 62 (suppl 1): I22; 238**
71. Oral administration of tramadol improves pediatric tonsillectomy pain. N. Najafi, A. Van de Velde, F. Gordts, J. Poelaert. **Eur. J. Anaesth 25 (suppl. 44): 154, 2008**
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73. TEE use for superior vena cava syndrome due to pacemaker insertion (Oral presentation of case: super echo panel)  
V. Umbrain, S. Beckers, C. Verborgh, J. Poelaert. 33<sup>rd</sup> Society of Cardiovascular Anesthesiology, Meeting 2011 April 30 - May 4, 2011 - Savannah, Georgia
74. Treatment of hypertension during carotid endarterectomy under cervical block: Urapidil or labetalol?  
Maes S., Verborgh C., Flamée P., Bhutia J.T., Poelaert J.  
UZ Brussel - Vrije Universiteit Brussel, Department of Anaesthesiology, Jette, Belgium  
**Eur. J. Anaesth 25 (suppl. 48): June 2011**
75. Agreement of cardiac output determination obtained simultaneously using three different techniques during elective coronary by-pass.  
Beckers S., De Baerdemaeker A., Gennart F., Verborgh C., Poelaert J.  
UZ Brussel – Department of Anaesthesiology and Pain Medicine, Brussels, Belgium  
**Eur. J. Anaesth 29 (suppl. 50): June 2012; 38**
76. Evaluation of contributing factors for postoperative nausea and vomiting (PONV) after cardiac surgery. Umbrain V, Flamee P, Poelaert J. 66<sup>th</sup> Post Graduate Assembly of Anesthesiology - New York. Dec 2012
77. Electrical Impedance Tomographic Evaluation of the Possibility of Reversal of Trendelenburg Position Induced Atelectasis. **Eur. J. Anaesth 2013.**
78. Acute kidney Injury in a Surgical Population. L Torisaen, J. Poelaert. **Euroanaesthesia 2013**
79. In Vitro Performance of 4 Different Brands of Prefilled CO2 Absorbent Canisters with the Aisys #174. A De Baerdemaeker, J Hendrickx, J. Poelaert. **Anesthesiology 2013**

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80. **Treating Pain Intravenous or Epidural after Hybrid Surgery for Lone Atrial Fibrillation? Umbrain, V., Sneyers, C., Matagne, P., Verborgh, C., Beckers, S., Poelaert, J., La Meir, M., De Asmundis, C. & Chierchia, J-B. American Society of Anesthesiologists: The Anesthesiology annual meeting 2016. American Society of Anesthesiologists, A4107 (meeting abstract (book))**
81. **Towards a better understanding of what unconscious palliative sedated patients experience: A transdisciplinary mixed methods study protocol. Six, S., Laureys, S., Poelaert, J., Theuns, P., Bilsen, J., De Couck, M., Musch, L. & Deschepper, R. 12 May 2017. Abstract form The Science of Consciousness event, San Diego, United States, 105-106 (unpublished abstract)**

82.

(c<sub>2</sub>) patents

None



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**SCIENTIFIC ACTIVITIES (ARRANGED PER CATEGORY BY UNDERMENTIONED DEFINITIONS AND IN EACH CATEGORY CHRONOLOGICAL)**

- (a) study residences abroad of long duration (min 1 month)  
(with statement of institution, period and kind of activities)
- (b) by yourself organized international or national congresses and symposia
- (c) international congresses, symposia and lectures on which an active contribution was provided (with statement of place, date, title of the meeting and kind of contribution: lecture, sended in lecture, poster presentation, session chairman, reporter,...) stating in case of the contribution was at invitation of the organizers
- (d) ditto for national congresses and symposia
- (e) lectures at universities and scientific institutions
- (f) achieved credits, grants and donations (with statement of the organization, the sort and the amount)
- (g) promoter or daily management of essays and doctorate theses (statement of university institution)

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(a) study residences abroad of long duration (min 1 month) (with statement of institution, period and kind of activities)

1. October 1987 – Maart 1988 : Intensive Care Afdeling van Academisch Centrum, Academisch Ziekenhuis van de stad Amsterdam, Nederland (Dr Van den Bergh).
2. January - march 1994 in Centre Chirurgical Marie-Lannelongue Patris; postoperative intensive care after congenital cardiac surgery.

(b) by yourself organized international or national congresses and symposia

1. International Minisymposium on Transoesophageal Echocardiography and Colour Flow Mapping in Anaesthesia and Intensive Care op 25.11.89 in het Univ. Ziekenhuis te Gent.
2. Update In Cardiac Surgery, Anesthesia and Intensive Care. 1st International Symposium, 12-13 april 1991, Intern. Congrescentrum, Gent.
3. 2nd International Symposium, Update in Cardiac Surgery, Anesthesia, and Intensive Care. Gent, 21-24 september 1993.
4. Blood Saving Techniques in the Nineties. New Insights. Eendagssymposium, Gent. 22 oktober 1994.
5. Cursus Echocardiografie. Van Basis tot Praktijk. Initiatiecursus voor anesthesisten en cardiologen. 6 en 13 mei 1995; UZ Gent.
6. Update in Cardiovascular Surgery, Anesthesia and Intensive Care. 3rd International Symposium. Gent, 13 - 16 september 1995.
7. Lid Locaal Wetenschappelijk en Organiserend Comité European Association Cardiothoracic Anaesthesiologists (EACTA); Leuven, 22-26 mei 1996.
8. Jaarlijkse Meeting Working Group on Echocardiography and Cardiac Doppler van de Belgische Vereniging voor Cardiologie. Gent, 30 november 1996.
9. 4th International Update Symposium Controversies in Cardiopulmonary Monitoring. Aula van de Universiteit, Gent. 18 -20 september 1997
10. Perioperative Transoesophageal Echocardiography. Basic Training (KUL-UG-St.Jan Brugge) (1997)
11. Perioperative Transoesophageal Echocardiography. Advanced Training (KUL, UG, St Jan Brugge, UCL Brussel en Yvoir, Université de Liège) (1998)
12. XIX Congress of the European Society for Noninvasive Cardiovascular Dynamics and XIII Congress of the Cardiovascular System Dynamics Society. Lid Local Organising Committee. Gent, 27-30 augustus 1998.
13. Transoesofagale echocardiografie voor Beginners. Antwerpen. 23-24 november 1998 (samen met Dr JP Mulier)
14. 5th Update in Cardiovascular Surgery, Anaesthesia and Intensive Care. Gent, 18-19 september 1999 (samen met Dr E. Mortier en F. De Somer).
15. European Resuscitation Council. Lid Local Organising Committee en Lid Scientific Committee. Antwerpen 2000.
16. Respiratory Management in the ICU: State of the Art. Jaarlijkse Herfstmeeting Belg. Vereniging voor Intensieve Zorgen. Gent, 17 november 2000 (samen met dr C. Roosens).

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17. Christmas Echo. Basic and Advanced Course on Perioperative Transoesophageal Echocardiography. Brussel, 15-16 december 2000
  18. 6<sup>th</sup> Update in Cardiovascular Surgery, Anaesthesia and Intensive Care Medicine. Leuven, september 2001 (samen met prof. Dr E. Mortier, F. De Somer en prof. Dr P. Wouters)
  19. 2<sup>nd</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, 14-15 december 2001.
  20. Joint Meeting Infection Control and First Update on Mechanical Ventilation. Gent, 12-15 juni 2002
  21. 3<sup>rd</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, december 2002.
  22. 7<sup>th</sup> Update in Cardiovascular, Thoracic Surgery, Anaesthesia and ICU. Oostende, 19-20 september 2003 samen met een Nursing Congres
  23. 4<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, 19-20 december 2003.
  24. 5<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, 18-19 december 2004.
  25. 6<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, 16-17 december 2005.
  26. Mini-Symposium APROTININE. UZ Gent , Dienst Cardiochirurgie en Anesthesie. Gent, 26 april 2006
  27. 7<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, 15-16 december 2006
  28. 20<sup>th</sup> Annual Congress – European Society of Intensive Care Medicine (ESICM), Berlin, Germany, 7-10 oktober 2007 (Organizing Scientific Committee).
  29. 8<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, 21-22 december 2007 (Organizing Scientific Committee).
  30. 9<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, 20-21 december 2008 (Organizing Scientific Committee).
  31. 10<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, december 2009 (Organizing Scientific Committee).
  32. 11<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, december 2010 (Organizing Scientific Committee).
  33. EACTA. European Association of Cardiothoracic Anaesthesiologists 2011 Gent (Echo) België. 10-11 september.
  34. 12<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, december 2012 (Organizing Scientific Committee).
  35. 13<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, december 2013 (Organizing Scientific Committee).
  36. 14<sup>th</sup> International Course on Perioperative Echocardiography. ('Christmas Echo'). Brussel, december 2014 (Organizing Scientific Committee).

- (c) International congresses, symposia and lectures on which an active contribution was provided (with statement of place, date, title of the meeting and kind of contribution: lecture, sended in lecture, poster presentation, session chairman, reporter, ...) stating in case of the contribution was at invitation of the organizers
1. Limitations and pitfalls of pulse oximetry. Workshop Pulse Oximetry, 5th European Symposium on Intensive Care Medicine, Amsterdam, 4-8 juni 1990.
  2. Hemodynamic aspects of ventilation. 5th International Symposium "Topics in Intensive Care", Amsterdam, 27-28 nov. 1991
  3. Right Ventricular Function and Low Cardiac Output. Symposium "Low Cardiac Output Syndrome". Academisch Medisch Centrum, Amsterdam. 17 december 1992.
  4. Left Systolic and Diastolic Ventricular Function during Implantation of Cardioverter-Defibrillator. Workshop on Cardiovascular Anesthesia. Paris. 3 - 6 november 1993.
  5. Postoperative Intensive Care after Thoracic Aneurysm Surgery in "Thoracic Aneurysm Management", presymposium before the EACTA meeting. Stockholm. 31 mei 1994.
  6. Blood saving techniques in the ICU. International Symposium on Blood Saving Techniques in the Nineties. New Insights. Gent, 22 oktober 1994.
  7. Postoperative Management after Thoracic Aortic Aneurysm Surgery. 13th Annual Symposium, Clinical Update in Anesthesiology and Advances in Techniques of Cardiopulmonary Bypass. San Juan, Puerto Rico. 14-21 januari 1995.
  8. Anesthetic Management during Implantation of Transvenous Cardioverter-Defibrillator. 13th Annual Symposium, Clinical Update in Anesthesiology and Advances in Techniques of Cardiopulmonary Bypass. San Juan, Puerto Rico, 14-21 januari 1995.
  9. Intraoperatieve TEE. Taak voor de anesthesist, cardioloog of cardiochirurg? Seminar "Echocardiografie op de OK en IC. Van diagnostiek tot bewaking" in Teleconferentie Hewlett Packard. Amstelveen, 11 februari 1995.
  10. Left ventricular function and septic shock. Workshop on Transesophageal Echocardiography in Intensive Care. Eur. Congress Int. Care Medicine. Athene, 15-18 oktober 1995.
  11. Risk stratification after CABG. Clinical Update in Anesthesiology and Advances in Techniques of Cardiopulmonary Bypass. 14th Annual Symposium. Aruba, 13-20 januari 1996.
  12. The role of Transoesophageal Echocardiography in the ICU; A Meta-analysis. Working Group on Physiological Monitoring (ESICM). Brussel, 16<sup>th</sup> Int. Symposium on Intensive Care and Emergency Medicine. Maart 1996.
  13. Postoperative assessment of regurgitation after mitral valve repair. Working Group of Echocardiography, Belgian Society of Cardiology. Jaarlijkse vergadering. Luik, 2 december 1995.
  14. Echocardiografie in de Cardio-Anesthesiologie. Ned. Vereniging voor Anesthesie - Sectie Cardioanesthesie. Jaarlijkse Meeting. Antwerpen 11-12 oktober 1996.
  15. Transoesophagale Echocardiografie für Anfänger. HM Loick, J Poelaert. 28. Munsteraner Anästhesia-Symposium, 12 - 14 december 1996.
  16. Transoesophagale Echocardiografie für Erforderden. J Poelaert, HM Loick. 28. Munsteraner Anästhesia-Symposium, 12 - 14 december 1996.
  17. The role of monitoring: ECG versus PA catheter versus TEE. Fifth Annual Meeting of the European Society of Anesthesiologists, Lausanne. 3- 6 mei 1997.
  18. Voorzitter van de Sessie: Prevention of Ischaemia. The role of anaesthetics and monitoring. Fifth Annual Meeting of the European Society of Anesthesiologists, Lausanne. 3- 6 mei 1997.

19. TEE: Indikationen und Standardinstellungen. Transoesophageale Echokardiographie in Anesthesie und Intensivmedizin. 1. Munsteraner Workshop. Munster, 4 juni 1997
20. The pulmonary artery catheter. Contra. In: The pulmonary artery catheter, pro and contra. Topics in Intensive Care Medicine. Ede, Nederland, 11 november 1997
21. Workshop Transoesofagale Echocardiografie. Jaarlijks Internationaal Congres van de Belgische Vereniging voor Anesthesie en Reanimatie. Int. Congrescentrum, Gent. 28-29 november 1997.
22. Transoesophageal Echocardiography as a Diagnostic and Monitoring Tool. 5de Cursus Echocardiografie voor Anesthesisten. Luzerne, Zwitserland. 22 januari 1998.
23. EuroNeuro 98. Voorzitter Sessie Neuro-management in the ICU. Genk, 7 februari 1998.
24. Echocardiography in the ICU. International Congress on ICU, Bremen, Duitsland. 11-13 februari 1998.
25. Workshop Transoesophageal Echocardiography in the Critically Ill. 17th International Symposium on Intensive Care and Emergency Medicine. Brussel, 19 maart 1998.
26. Donormanagement. FEAA, Breda. 25 maart en 1 april 1998.
27. Workshop on Transoesophageale Echokardiografie, Munster. Hands on sessie. Munster, 23-24 april 1998
28. Use of Colour Kinesis in clinical practice. Workshop on Transoesophageale Echokardiografie, Munster. 23 - 24 april 1998.
29. Workshop on Transoesophageal Echocardiography. 6<sup>th</sup> Annual Symposium of the European Society of Anaesthesiologists. Barcelona, Spanje. 26 - 29 april 1998.
30. Analysis of risk factors after cardiac surgery. 4<sup>th</sup> Workshop on Cardiovascular Anaesthesia, Paris. 24 - 27 juni 1998.
31. Voorzitter sessie. New Pharmacologic Agents. 4<sup>th</sup> Workshop on Cardiovascular Anaesthesia, Paris. 24 - 27 juni 1998.
32. Presentatie en Klinische Discussie (Clinical Discussion of Topics on Transoesophageal Echocardiography). 4<sup>th</sup> Workshop on Cardiovascular Anaesthesia, Paris. 24 - 27 juni 1998.
33. Valvular Heart Disease. 10<sup>th</sup> European Congress of Anesthesiology and Deutsche Anesthesie Kongress, Frankfurt, Duitsland. 28 juni - 2 juli 1998.
34. Voorzitter postersessie Technology Assessment. Eur. Society of Intensive Care Medicine, Stockholm. 8 september 1998.
35. Value of Transoesophageal Echocardiography as a Monitoring Tool in Valvular Heart Disease. 6<sup>th</sup> Echocardiographic Course, Luzern, Zwitserland. 18 januari 1999.
36. Monitoring of Left Ventricular Function. 17th International Symposium Clinical Update in Anesthesiology and Advances in Techniques of Cardiopulmonary Bypass. St Thomas, VI, US. 22-24 januari 1999
37. Demonstration Transoesophageal Echocardiography. J. Poelaert, L. Barvais. 19<sup>th</sup> Congress on Intensive Care and Emergency Medicine. Brussel, 16-19 maart 1999
38. Evaluation of left ventricular systolic function. In de sessie van Acute cardiac failure. 19<sup>th</sup> Congress on Intensive Care and Emergency Medicine. Brussel, 16-19 maart 1999
39. Transoesofagale echocardiografie. FEAA Antwerpen – 18 en 25 maart 1999

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40. 40 Outcome after cardiac surgery. In de sessie □Outcome prediction. 19<sup>th</sup> Symposium on Intensive Care and Emergency Medicine. Brussel, 16-19 maart 1999
  41. Workshop Haemodynamic Monitoring: Pressure, flow and function. 8<sup>th</sup> Meeting of the European Society of Anaesthesiology. Amsterdam, 29 mei – 2 juni 1999
  42. Prognostic Importance of Echocardiography. 3. Münsteraner Workshop Transösophagele Echokardiografie. Münster, Deutschland, 18 augustus 1999.
  43. Transoesophageal echocardiography as a haemodynamic monitoring tool beyond 2000. 7<sup>th</sup> Course on Echocardiography, Luzern, Switzerland. 17 januari 2000.
  44. Combining echocardiographic and pressure data. 20<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine. Brussel, 21-24 maart 2000
  45. Assessment of ventricular function. Workshop, 9<sup>th</sup> Meeting of the European Society of Anaesthesiologists. Wenen, 1-5 april 2000
  46. Voorzitter Symposium Cardiovascular Update. 9<sup>th</sup> Meeting of the European Society of Anaesthesiologists. Wenen, 1-5 april 2000
  47. Voorzitter Poster Sessie. 9<sup>th</sup> Meeting of the European Society of Anaesthesiologists. Wenen, 1-5 april 2000
  48. Echocardiography and Cardiopulmonary resuscitation. Lecture at: Resuscitation 2000, 5<sup>th</sup> Scientific Congress of the European Resuscitation Council. Antwerp, Belgium. June 1-3, 2000.
  49. Chairman Session on 'Postresuscitation management' in: Resuscitation 2000, 5<sup>th</sup> Scientific Congress of the European Resuscitation Council. Antwerp, Belgium. June 1-3, 2000
  50. Intraoperative haemodynamic monitoring and the value of echocardiography. 3<sup>rd</sup> International Symposium on Cardiac Anaesthesia and Perioperative Care. Tel Aviv, February 22-24, 2001
  51. Chairman Free Paper Session 'Airway' in: Resuscitation 2000, 5<sup>th</sup> Scientific Congress of the European Resuscitation Council. Antwerp, Belgium. June 1-3, 2000
  52. Assessment of afterload. 21<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine. Brussel, maart 2001
  53. Workshop Diastolic Function: Assessment by Doppler Echocardiography. 9<sup>th</sup> European Society of Anaesthesiologists. Gothenburg, april 7-10, 2001
  54. Voorzitter Sessie on Haemodynamics I. 9<sup>th</sup> European Society of Anaesthesiologists. Gothenburg, april 7-10, 2001
  55. Voorzitter Sessie on Anaesthetics and Haemodynamics. 9<sup>th</sup> European Society of Anaesthesiologists. Gothenburg, april 7-10, 2001
  56. Thoracic Epidural Anaesthesia and Analgesia. International Symposium on Intensive Care. Minisymposium on Postoperative Analgesia. Bruges. October 14, 2001
  57. 21<sup>st</sup> Annual Autumn Meeting Belgian Society of Intensive Care Medicine. Chairman 2<sup>nd</sup> Session: Drugs and Fluids. Antwerp. November 16, 2001
  58. 5<sup>th</sup> EuroEcho Symposium (Yearly Echocardiography Meeting of European Society of Cardiology). Chairman Session Echocardiography in the ICU. Nice. December 5 – 7, 2001
  59. 5<sup>th</sup> EuroEcho Symposium. Echocardiography in the ICU. Assessment of Pressure. Nice. December 5-7, 2001
  60. Cardiac Performance in the Critically Ill. 22<sup>nd</sup> Symposium on Intensive Care and Emergency Medicine. Brussels. March, 2002

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61. Tutorial: Echocardiography in the ICU. 22<sup>nd</sup> Symposium on Intensive Care and Emergency Medicine. Brussels. March, 2002
  62. European Society of Anaesthesiologists – 10<sup>th</sup> Yearly Meeting. Pro/con: Preload measurement by echocardiography. Nice. April 5-8, 2002
  63. European Society of Anaesthesiologists – 10<sup>th</sup> Yearly Meeting. Industry Symposium: TEE as a Haemodynamic Monitoring Tool. Nice. April 5-8, 2002
  64. The value and impact of TEE in non-cardiac surgery. In: Symposium: Perioperative management of the high-risk patient. Heraklion, Creta, 9-12 mei, 2002.
  65. The use of calcium entry blockers intraoperatively, in the ICU and the Emergency Department. In: Symposium: Perioperative management of the high-risk patient. Heraklion, Creta, 9-12 mei, 2002.
  66. Haemodynamic Monitoring with Echocardiography. Advanced Course. Bern, november 28-30, 2002
  67. Workshop on Haemodynamics. Advanced Course. Bern, november 28-30, 2002
  68. TEE and perioperative shock. 6<sup>th</sup> EuroEcho Congress, European Society of Cardiology. München, december 4-7, 2002
  69. Measuring intracardiac pressures in intensive care. How reliable is ultrasound? 6<sup>th</sup> EuroEcho Congress, European Society of Cardiology. München, December 4-7, 2002
  70. The Importance of Echocardiography in the Assessment of the right ventricle. Luzern, 13 september 2003
  71. Haemodynamic Monitoring with pulmonary artery catheter in comparison with thermodilution arterial systems. ALEX Anaesthesia Intensive Care Congress 2003 – 3-7 februari 2003 – Alexandria, Egypte.
  72. Changing trends in a MICU. ALEX Anaesthesia Intensive Care Congress 2003 – 3-7 februari 2003 – Alexandria, Egypte.
  73. Outcome after cardiac surgery. ALEX Anaesthesia Intensive Care Congress 2003 – 3-7 februari 2003 – Alexandria, Egypte.
  74. Haemodynamic monitoring with echocardiography in the ICU. ALEX Anaesthesia Intensive Care Congress 2003 – 3-7 februari 2003 – Alexandria, Egypte.
  75. Assessment of afterload indices with echocardiography. ALEX Anaesthesia Intensive Care Congress 2003 – 3-7 februari 2003 – Alexandria, Egypte.
  76. Basics of Doppler technology. TEE cursus op het South African Anaesthesia Congress, Sun City, Z-Afrika. 15-16 maart 2003
  77. Two-dimensional imaging with SCA-ASE nomenclature. TEE cursus op het South African Anaesthesia Congress, Sun City, Z-Afrika. 15-16 maart 2003
  78. Mitral Insufficiency: PISA and other methods. TEE cursus op het South African Anaesthesia Congress, Sun City, Z-Afrika. 15-16 maart 2003
  79. Right heart echocardiography and the assessment of pulmonary hypertension. TEE cursus op het South African Anaesthesia Congress, Sun City, Z-Afrika. 15-16 maart 2003
  80. Diastolic dysfunction. TEE cursus op het South African Anaesthesia Congress, Sun City, Z-Afrika. 15-16 maart 2003
  81. The haemodynamic unstable patient and echocardiography. TEE cursus op het South African Anaesthesia Congress, Sun City, Z-Afrika. 15-16 maart 2003

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82. Preload assessment: value of pressures versus echocardiography. South African Anaesthesia Congress, Sun City, Z-Afrika. 17-19 maart 2003
  83. Preload assessment in cardiac surgery. The value of RVEDVI-measurements. Edwards symposium tijdens XXIII congress on Intensive Care and Emergency Medicine. Brussel, 19 maart 2003
  84. Remifentanil during short painful procedures. GSK Symposium tijdens XXIII congress on Intensive Care and Emergency Medicine. Brussel, 19 maart 2003
  85. Estimation of Preload with Echocardiography and LidCo. Eur. Association Cardiothor. Anaesthetists (EACTA). Praag, 27 mei 2003
  86. Ventricular Performance in: 'Haemodynamic Monitoring'. 11<sup>th</sup> Eur. Society of Anaesthesiologists (ESA). Glasgow, 1 juni 2003
  87. Voorzitter Symposium Acute Heart Failure. 11<sup>th</sup> Eur. Society of Anaesthesiologists (ESA). Glasgow, 2 juni 2003
  88. Transthoracic Echocardiography. In: Cursus 'Echocardiography in the ICU'. Eur. Society of Intensive Care Medicine. Amsterdam 4-5 October 2003.
  89. Left ventricular function. In: Cursus 'Echocardiography in the ICU'. Eur. Society of Intensive Care Medicine. Amsterdam 4-5 October 2003.
  90. Sepsis, septic shock and echocardiography. In: Cursus 'Echocardiography in the ICU'. Eur. Society of Intensive Care Medicine. Amsterdam 4-5 October 2003.
  91. Assessment of global and regional function of the left ventricle. Eur. Soc. Intensive Care Medicine – Yearly Congress. Amsterdam 5-8 October 2003.
  92. Left ventricular function and dysfunction. In: Advanced Course on Echocardiography. Sigriswill, 20-22 November 2003
  93. TEE and continuous hemodynamic monitoring: conflict or complementary? in: Industrial Symposium: Hemodynamic Monitoring: Window to the Future. 24<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine. Brussels, March 31<sup>st</sup>, 2004.
  94. Wakker of Slapen: Optimale Sedatie? Cicen, Antwerpen. 13.05.04
  95. Essentials in the management of acute right ventricular failure. Management of right ventricular failure. Euroanesthesia 2004, Lissabon (5-8 juni 2004). (Speaker)
  96. Best Abstract Prize Competition. Euroanesthesia 2004, Lissabon (5-8 juni 2004). (Chairman).
  97. TEE workshop. Euroanesthesia 2004, Lissabon (5-8 juni 2004). (Chairman).
  98. TEE workshop. Presentation and discussion of findings (contractility, mitral valve). Euroanesthesia 2004, Lissabon (5-8 juni 2004). (Speaker).
  99. Abstract Presentation Session. Euroanesthesia 2004, Lissabon (5-8 juni 2004). (Chairman).
  100. Session I: Recognition of acute circulatory failure: What is acute circulatory failure? 17th Annual congress, European Society of Intensive Care Medicine, Berlin (10-13 october 2004). (Course Director).
  101. Session III: Therapeutic approaches to the treatment of acute circulatory failure. 17th Annual congress, European Society of Intensive Care Medicine, Berlin (10-13 october 2004). (Chairman).
  102. Thematic session: Recent advances in cardiology: Current approaches to the management of cardiogenic shock. 17th Annual congress, European Society of Intensive Care Medicine, Berlin (10-13 october 2004).



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103. Poster session: Cardiovascular monitoring. 17th Annual congress, European Society of Intensive Care Medicine, Berlin (10-13 october 2004). (Chairman).
  104. Competency teaching session: How to prevent perioperative myocardial ischaemia. 17th Annual congress, European Society of Intensive Care Medicine, Berlin (10-13 oktober 2004). (Chairman).
  105. Pro-con debate: Should we use the pulmonary artery catheter in high risk critically ill patients? 17th Annual congress, European Society of Intensive Care Medicine, Berlin (10-13 oktober 2004).
  106. Poster Session: Perioperative cardiothoracic III. 17th Annual congress, European Society of Intensive Care Medicine, Berlin (10-13 oktober 2004). (Chairman).
  107. Oral presentations: Monitoring II. 17th Annual congress, European Society of Intensive Care Medicine, Berlin (10-13 oktober 2004). (Chairman).
  108. GE Healthcare session: Review on latest excellence in patient monitoring. 17th Annual congress, European Society of Intensive Care Medicine, Berlin (10-13 oktober 2004). (Chairman).
  109. Masterclass session C: Echo/Doppler techniques. An international masterclass symposium on Acute Circulatory Failure in the ICU. Amsterdam RAI, International exhibition and congress centre, Amsterdam (12-13 juli 2004). (invited speaker).
  110. Life of death decisions – is there a role for echocardiography? Joint session with the European Association of Cardiothoracic Anaesthesiologists: Cardiogenic shock and electromechanical dissociation. The 8<sup>th</sup> Annual Meeting of the European Association of Echocardiography, Euroecho 8, Athens, Greece (1-4 december 2004). (invited speaker).
  111. Invasive – vs – Non-invasive hemodynamic monitoring: how should we decide?. Scientific Panel, Panel session, International Forum. Postgraduate Assembly in Anesthesiology, New York, USA (10<sup>th</sup> –14<sup>th</sup> December, 2004). (invited speaker).
  112. Tricuspid valve and right ventricle echo correlation; Tricuspid, pulmonic valve stenosis and regurgitation; Introduction, clinical decision making in the cardiac surgical patient; Haemodynamics workshop. 5<sup>th</sup> Christmas Echo, International Course on Perioperative EchoCardiography, Brussel (17-18 December 2004). (invited speaker).
  113. 25<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussel (21-25 maart 2005); ICU quality (Hippocrates Room) 24 maart 2005 (Chairman).Preoperative assessment of a Non-cardiac Surgical Patient at Cardiac Risk. Assessment of cardiac output. Is less invasive always better? Euroanaesthesia 2005, Annual Meeting of the European Society of Anaesthesiology, Vienna, Austria (28-31 mei 2005). (invited speaker).
  114. Euroanaesthesia 2005, Annual Meeting of the European Society of Anaesthesiology, Vienna, Austria (28-31 mei 2005); TEE workshop, Valve anatomy and pathology. (chairman and invited speaker).
  115. 18<sup>th</sup> Annual Congress, European Society of Intensive Care Medicine, Amsterdam, Netherlands (25-28 september 2005); Acute cardiac failure; postersession (chairman).
  116. 18<sup>th</sup> Annual Congress, European Society of Intensive Care Medicine, Amsterdam, Netherlands (25-28 september 2005); Perioperative care in the high risk patient: Prevention of perioperative myocardial injury: What are the options?. (chairman & invited speaker).
  117. 18<sup>th</sup> Annual Congress, European Society of Intensive Care Medicine, Amsterdam, Netherlands (25-28 september 2005); Principles of management of the circulation in cardiac crises (Acute mitral regurgitation). (chairman & invited speaker).
  118. 18<sup>th</sup> Annual Congress, European Society of Intensive Care Medicine, Amsterdam, Netherlands (25-28 september 2005); Static markers of preload as predictors of volume responsiveness (invited speaker).

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119. 3<sup>rd</sup> International Congress The Failing Heart under Stress, Multifactorial aspects of acute and chronic heart failure, Amsterdam, Nederland (20-22 november 2005); Cardiac Function and Monitoring: Echo in the ICU (invited speaker).
120. 9<sup>th</sup> Annual Meeting of the European Association of Echocardiography, a Registered Branch of the ESC, in cooperation with the Italian Society of Echocardiography, Florence, Italy (7-10 december 2005); Echocardiography in intensive care: Assessment of haemodynamics status in ventilated patients (invited speaker).
121. 6<sup>th</sup> Christmas Echo, International Course of Perioperative Echocardiography, Brussel, Belgium, 16-17 dec 2005:  
BASIC COURSE:  
 - Tricuspid valve and right ventricle echo correlation. (invited speaker)  
 - Tricuspid, pulmonic valve stenosis and regurgitation. (invited speaker)  
ADVANCED COURSE:  
 - Introduction. (invited speaker)  
 - Haemodynamics Workshop.
122. International Winter Symposium: "Update in Anesthesia", The Department of Anesthesiology, University Hospitals, Catholic University of Leuven, Belgium (6-7 januari 2006); Transoesophageal echocardiography in anesthesia (invited speaker).
123. Symposium Levosimendan Task Force, Abbott, Frankfurt, Germany (24 januari 2006); Simdax Key Messages: All Data: What would you tell colleagues? (invited speaker).
124. 26<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium (19-20 mar 2006); LV systolic function; Infective endocarditis; Hemodynamic measurements; Echotraining in different countries; TEE in the ICU; Doppler cases; Perioperative echo. (invited speaker).
125. Il curso de medicina perioperatoria, Servicio de Anestesia y Reanimación Hospital de la Princesa de Madrid, Madrid, Spain (31 maart – 1 april 2006); Prevención y tratamiento de la isquemia miocárdia perioperatoria (invited speaker).
126. Euroanaesthesia Meeting 2006, Madrid, Spain (3 – 6 jun 2006); Advanced TOE: assessment of mitral valvular function and mitral valve repair. (invited speaker)  
 TEE Workshop 04.06.2006. (chairman).
127. Euroanaesthesia Meeting 2006, Madrid, Spain (3 – 6 jun 2006); TEE Workshop: Valve anatomy and pathology; 04.06.2006. (invited speaker)
128. 19<sup>th</sup> Annual Congress ESICM (European Society of Intensive Care Medicine) Barcelona, Spain, 24-27 sep 2006.  
 Haemodynamic monitoring in Europe: a postal survey. (posterpresentation).  
 Normal heart and great vessels assessed by echo: Transesophageal echocardiography: 2-D imaging (invited speaker).  
 Additional HD assessment by echocardiography: Assessment of LV function (invited speaker).  
 My post-operative patient has acute coronary syndrome (invited speaker).  
 Hands on workshop (echocardiography) (invited speaker).  
 Postersession: Assessment of loading conditions: How to monitor (chairman).  
 Oral presentation: Improving cardiac performance (chairman).  
 Introduction to meeting and technology (chairman).  
 Postersession: Perioperative intensive care: long term outcome (chairman).  
 Postersession (9 abstracts): Miscellaneous haemodynamic problems in the ICU (chairman)  
 How do I use haemodynamic monitoring to guide resuscitation (chairman)
129. Tailoring Treatment to Meet Challenges in Acute Heart Failure, European Society of Intensive Care Medicine, Barcelona, Spain, 26 sep 2006. Goals of Treatment: An Intensivist's View. (invited speaker)

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130. EuroEcho 10, 10<sup>th</sup> Annual Meeting of the European Association of Echocardiography, Prague, Czech Republic, 6-9 dec 2006: Endotoxin dose finding study in a septic shock rat model with echodoppler. B Rys, C Roosens, P De Paepe, P Segers, R Lefebvre, P Verdonck, J Poelaert. (posterpresentation)
131. 7<sup>th</sup> Christmas Echo, International Course of Perioperative Echocardiography, Brussel, Belgium, 15-16 dec 2006:  
BASIC COURSE:  
 - Tricuspid valve and right ventricle echo correlation. (invited speaker)  
 - Tricuspid, pulmonic valve stenosis and regurgitation. (invited speaker)  
ADVANCED COURSE:  
 - Introduction. (invited speaker)  
 - Ischemic mitral valve regurgitation. (invited speaker)  
 - Workshop on decision making in heart valve surgery.  
 - Preparation exam for the European Accreditation in Adult Transesophageal Echocardiography.
132. 3<sup>rd</sup> World Congress Abdominal Compartment Syndrome [WCACS 2007], Antwerp, Belgium, 21-24 mar 2007  
 Echocardiography and IAH/ACS (invited speaker).
133. 27<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium (27-30 mars 2007)  
25-03-2007: Echocardiography in the ICU:  
 - LV systolic function  
 - Infective endocarditis  
 - Hemodynamic measurements  
 - Echotraining in different countries  
26-03-2007: Echocardiography in the ICU:  
 - TEE in the ICU  
 - Cases and Discussion: Doppler measurements in hemodynamic instability  
 - Perioperative echo  
27-03-2007: Postoperative complications:  
 - Perioperative myocardial ischemia.  
 (invited speaker).
134. Symposium Aortic Valve, Seneffe, Belgium, 28 apr 2007: Newer strategies in supporting ventricular function. Do we always need mechanical support in the failing heart? (invited speaker).
135. Euroanaesthesia Meeting 2007, Munich, Germany (9 – 12 jun 2007)  
09-06-2007:  
 - TEE Workshop (chairman)  
 - TEE Workshop: Valve anatomy and pathology (speaker)  
10-06-2007:  
 - Abstract presentation session (chairman)  
11-06-2007:  
 - TEE Workshop (chairman)  
 - TEE Workshop: Valve anatomy and pathology (speaker)  
 - TEE Workshop: How to teach TEE (speaker)
136. European Workgroup of Cardiothoracic Intensivists – Annual Meeting Brussels, Belgium, 28-29 sep 2007. Echographic assessment of the LV function. (invited speaker).
137. 20<sup>th</sup> Annual Congress ESICM (European Society of Intensive Care Medicine) Berlin, Germany, 7-10 October, 2007.  
 - Choices in haemodynamic monitoring during critically illness.  
 - How to evaluate function of RV.  
 - Get the oxygen to the tissues! Haemodynamic monitoring in different clinical situations  
 - Management of high risk surgical patient.

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138. 8<sup>th</sup> Christmas Echo, International Course of Perioperative Echocardiography, Brussel, Belgium, 21-22 dec 2007:  
BASIC COURSE:  
 - Tricuspid valve and right ventricle echo correlation. (invited speaker)  
 - Tricuspid, pulmonic valve stenosis and regurgitation.  
ADVANCED COURSE:  
 - Ischemic mitral valve regurgitation.  
 - Adult Transesophageal Echocardiography (includes MCQ's and video clips)  
 - Haemodynamics Workshop.
139. 14<sup>th</sup> World Congress of Anaesthesiologists, Cape Town, 2<sup>nd</sup>-7<sup>th</sup> March, 2008  
 Anaesthesia for noncardiac surgery in patients with valvular heart disease.  
 Echo can make a difference in ITU - case presentations.  
 Hands-on TTE with trade. (Chairman)  
 Hands-on Focussed Assessed Transthoracic Examination – Eric Sloth (moderator)
140. 28<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium (18-21 mars 2008)  
 16 en 17-03-2008: Critical Care Echocardiography Workshop  
 20-03-2008 : How to identify left ventricular diastolic dysfunction  
 21-03-2008: The fundamental alterations in sepsis :  
 Cardiac diastolic dysfunction (invited speaker)
142. Research Meeting, Society for Anesthesia and Resuscitation of Belgium, UZ Brussels, April 19<sup>th</sup>, 2008 (moderator)
143. Euroanaesthesia Meeting 2008, Copenhagen, Sweden (May 31<sup>th</sup> – June 3<sup>rd</sup> 2008)  
31-05-2008:  
 - TEE Workshop (chairman)  
 - TEE Workshop: Valve anatomy and pathology (speaker)  
01-06-2008:  
 - Clinical and experimental circulation : acute mitral regurgitation (speaker)  
 - Abstract presentation session (chairman)  
02-06-2008:  
 - TEE Workshop (chairman)  
 - TEE Workshop: Valve anatomy and pathology (speaker)
144. 7<sup>th</sup> Summer Conference in Intensive Care Medicine, Athens, Greece, June 6-8, 2008  
 Pathophysiology of acute heart failure : LV systolic dysfunction (invited speaker)
145. 21<sup>th</sup> Annual Congress ESICM (European Society of Intensive Care Medicine) Lisbon, Portugal, September 21 - 24, 2008  
 Chairman : Practical aspects of echography (advanced level) September 20, 2008  
 Aortic disease (advanced level) September 21, 2008  
20 september 2008 :  
 - General overview echo in ICU.  
 - Pulmonary edema : MR  
 - Get the oxygen to the tissues! Haemodynamic monitoring in different clinical situations  
 - Management of high risk surgical patient.  
21 september, 2008  
 - Extravasation signs.  
 - Evaluation of course.  
22 september 2008  
 - Perioperative myocardial ischaemia : how to diagnose?  
 - Analgesia and sedation in the ICU. Can I influence the outcome?  
 - Predicting fluid responsiveness or just giving a fluid challenge.  
23 september 2008  
 - How do I diagnose right ventricular dysfunction?  
 - What is the take home message for the clinician?

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146. International Course on Echocardiography in the ICU : from the basis to hemodynamic evaluation, Brussels, Erasme Hospital, November 5-7, 2008  
06/11/2008 Cardiogenic shock (cardiac issues)  
07/11/2008 : How to learn to perform echocardiography : the European view.
147. 9<sup>th</sup> Christmas Echo, International Course of Perioperative Echocardiography, Brussel, Belgium, 19-20 dec 2008  
 Cardiac anatomy : correlation with echocardiographic-imaging planes : Tricuspid valve and right ventricle echo correlation.  
 Basic transoesophageal echocardiography : Tricuspid, pulmonic valve stenosis and regurgitation.  
 Heart valve pathology: Ischemic mitral valve regurgitation.
148. 29<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 24-27, 2009  
 22 en 23-03-2009 : Critical care echocardiography workshop.  
 24-03-2009 : Echocardiographic evaluation : Does it improve outcome?  
 26-03-2009 : Cardiovascular monitoring (moderator)  
 27-03-2009 : Acute heart failure: ischemic mitral regurgitation.
149. Echocardiography for Intensivists, Milan, Italy, May 4<sup>th</sup> - 6<sup>th</sup>, 2009  
04-05-2009 :  
 Basic volume status assessment.  
05-05-2009 :  
 Doppler measurement of cardiac filling pressures.  
 Echocardiographic clues to the diagnosis in the shocked patient : a systematic approach.  
 Chairman : Key elements of echo hemodynamic assessment.
150. Euroanaesthesia Meeting 2009, Milan, Italy, (June 6 - 9, 2009)  
07-06-2009:  
 - TEE Workshop (chairman)  
 Valve anatomy and pathology.(speaker)  
 Industrial Symposium supported by an unrestricted educational grant from Covidien AG  
 Do patients microaspirate in OR? (speaker)  
08-06-2008:  
 - Transoesophageal echocardiography in anaesthesia and intensive.  
 TEE teaching, examination and certification in European countries.  
 Industrial Symposium supported by an unrestricted educational grant from Covidien AG  
 New Monitoring Approaches : greater understanding leads to better care (chairman)  
 MaxFast forehead sensor: the solution for patients with hypoperfusion? (Lecture)
151. 10<sup>th</sup> Congress of the World Federation of Societies of Intensive and Critical Care Medicine, Florence, Italy, Augustus 28 - September 1, 2009  
 29-08-2009 : Ultrasound in cardiac intensive care  
 30-08-2009 : Assessment of myocardial ischaemia.
152. Echo Course Finish Society of Intensive Care, Helsinki, Finland, Sept. 23-24, 2009  
 24-09-2009 : Evaluation of fluid responsiveness.
153. 22<sup>th</sup> Annual Congress ESICM (European Society of Intensive Care Medicine) Vienna, Austria, October 11-14, 2009  
09-10 October 2009 : Round Table: Echocardiography and ultrasound for ICU physicians.  
  
 Chairman :  
 Echocardiography (basic & advanced level)  
 Echocardiography in the ICU: which specificities & requirements?  
 Basics of physics : 2D & Doppler  
 TTE 2D imaging : normal echocardiogram.  
  
 Lectures:  
 TEE 2D : normal echocardiogram  
 Pulmonary hypertension : how to measure? Howto interpret

11 October 2009:

Chairman :

Echocardiography (basic & advanced level)  
 Acute aortic syndrome: definition and overview.  
 Acute aortic dissections.  
 Self-assessment test.

Lectures:

Volume versus pressure guided therapy.  
 Pericardial effusion: How do I diagnose a regional tamponade by atrial hematoma?  
 Massive mitral regurgitation.  
 Prosthetic valve dysfunctions.  
 Traumatic rupture of the aorta.

13 October 2009:

Chairman:

Acute heart failure: from basics to therapy  
 Cellular basics of cardiac failure  
 Pharmacological support  
 Non-invasive ventilation in acute heart failure  
 Endothelin antagonists in septic shock: cardiac effects  
 Latest guidelines  
 Invasive options : indications and drawbacks.

14 October 2009:

Chairman:

Haemodynamic optimization.  
 Right ventricle to cardiovascular stress.  
 Right ventricle under pressure.

154. International Course on Doppler Echocardiography, Brussels, Erasme Hospital, November 17-19, 2009  
 18-11-2009 : How to learn to perform echocardiography. The European view.  
 19-11-2009 : Cardiogenic shock. (cardiac issues)
155. 10th Christmas Echo, International Course of Perioperative Echocardiography, Brussel, Belgium, 18-19 dec 2009  
 - Basic course - Cardiac anatomy: correlation with TEE imaging planes.  
 Tricuspid valve and right ventricle echo correlation.  
 - Advanced Course : Workshop on clinical decision making in acute valvular dysfunction.  
 Interactive case discussions on valvular pathology in surgical and non-surgical cases.  
 R. VAN BRINK, M. VAN DYCK, J. POELAERT, L. MUYLDERMANS
156. EMEA Annual Sales Meeting "Is there a S.T.A.R. (Short term Aspiration Risk) in your O.R.?  
 Cuff performance.  
 Berlin, January 28, 2010
157. 30<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium,  
 March 7-11, 2010  
 7 en 8-03-2010 : Echocardiography in the ICU - Beginners  
 07-03-2010 : Assessing LV systolic function  
 7 en 8 -03-2010 : Echocardiography in the ICU - Advanced  
 07-03-2010 : Valvular regurgitation.  
 Preoperative echo.  
 08-03-2010 : LV preload  
 09-03-2010 : Satellite Symposia (Organized by GSK)  
 Chairman : Analgesia and sedation on the ICU : Current concepts and long-term outcome.  
 11-03-2010 : Lung infections - Postoperative complications

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158. Board of Expert Physichans. PIPC Clinical Session, Madrid, March 22th, 2010  
 - Post Intubation Pulmonary Complications (PIPC).  
 - Choice of the ET tube to optimize cuff sealing.
159. 21° SMART Congress, Critical Care Echo, Milan, May 26<sup>th</sup> - 28<sup>th</sup>, 2010  
May 26<sup>th</sup>, 2010  
 Chairman session : Does VAP prevention start from endotracheal intubation.  
 Prevention and therapy.  
 Lecture : Intubation and microaspiration : what makes the difference?
- May 28<sup>th</sup>, 2010  
 Chairman session : Do I need echocardiografy to manage my critical patient?  
 Lecture : In acute myocardial infarction.
160. 23<sup>th</sup> Annual Congress ESICM (European Society of Intensive Care Medicine) Barcelona, Spain, October 09-13, 2010
- Lectures :  
 Echocardiography Introduction (basic & advanced level).  
 Echocardiography the normal echocardiogram and basic : TEE 2D imaging : normal echocardiogram.  
 Echocardiography Systolic and diastolic ventricular function : Mulmonary hyertension : How to measure? How to interpret?  
 Echocardiography Dynamic approach of preload. How to predict fluid-responsiveness? Clinical cases: passive  
 Echocardiography Valvular disease (advanced level). Valvular diseases : Prosthetic valve dysfunctions.  
 Echocardiography Aortic pathology (advanced level). Traumatic rupture of the aorta.
- Chair in Sessions:  
 Echocardiography Introduction (basic & advanced level)  
 Echocardiography Aortic pathology (advanced level)  
 Improving tissue perfusion.  
 United in preventing Post-Intubation Pulmonary.
161. 64° Congresso Nazionale SIAARTI (Società Italiana di Anestesia Analgesia Rianimazione e Terapia Intensiva), Parma, October 13-16, 2010  
 Dispositivi utili alla minimizzazione del rischio di PIPC.
162. 23<sup>rd</sup> Annual Meeting Euroepan and Mediterranean School of Intensive and Critical Care, Catania, November 5-7, 2010  
 Cardiovascular Ultrasound in Critical Care
163. International Course on Doppler Echocardiography, Brussels, Erasme Hospital, November 16-18, 2010  
 Hands on (17/11/2010)  
 Complications post cardiac surgery.
164. Annual Meeting of the Society of Anesthesia and Rescucitation of Belgium "Bleeding Thrombosis and coagulation", Ostend, November 20, 2010  
 Chairmen: Session 1 : Anaemia and blood transfusion.  
 J. Carson - J. Poelaert
165. 3<sup>rd</sup> National Meeting on Transplantation of Organs from NHB Donors (DCD)? Brussels, November 25, 2010  
Moderators : J. Poelaert - V. Donckier  
 Ethical and Legal Aspects  
 - Donor Aspects : Belgian policy on NHBD

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166. 11th Christmas Echo, International Course of Perioperative Echocardiography, Brussel, Belgium, 17-18 dec 2010  
 Basic course - Cardiac Anatomy- Image Plane Correlation : Tricuspid valve and right ventricle echo correlation.  
 - Advanced Course : You're the perioperative echocardiography consultant  
 Interactive case discussion.  
 J. MICHAUX, J. POELAERT, J. van der MAATEN, R. LINDEMAN, P. WOUTERS
167. 26<sup>th</sup> International Wintersymposium "Topics in cardiothoracic Anesthesia", Leuven, January 7-8th, 2011  
 Haemodynamic monitoring during cardiothoracic surgery.
168. 31<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 22-25-2011  
 20 en 21-03-2011 :  
Critical care echocardiography workshop - Advanced  
 20-03-2011 : Perioperative echo  
 21-03-2011 : LV preload  
 22-03-2011 : The value of echocardiography.  
 24-03-2011 : Better endotracheal tubes?
169. 22 Smart Simpsio Mostra Anestesia Rianimazione e Terapia Intensiva, Milano, May 25-27-2011  
 Invited speaker: Critical care echo echocourse
170. Acute Cardiac Care  
 10<sup>th</sup> Summer Conference in Intensive Care Medicine  
 The Fairmont Banff Springs Banff, Alberta, Canada, June 2-4, 2011 - invited speaker  
 - Heart failure - Stress Cardiomyopathy  
 - Workshop: echocardiography in the ICU - Transesophageal  
 - Pro/Con: Pulmonary Artery Catheterization (PAC) for Hemodynamic Monitoring in  
 - Congestive Heart Failure
171. ESA - Euroanesthesia 2011, Amsterdam, June 11-14  
Invited speaker  
 - Using echocardiography outside the cardiac theatre - case studies in the postoperative setting  
 - Perioperative ventilation challenges in cardiothoracic anesthesia satellite symposium  
 - supported by an unrestricted educational grant from Maquet - perioperative ventilation  
 - challenges in thoracic surgical patients  
Instructor  
 - Echocardiography hands-on workshop 1  
 - Echocardiography hands-on workshop 2  
Invited speaker - Covidien  
 Microaspiration as a major pathway of pulmonary complication after intubation - prevention is the key
172. EACTA Echo 2011 September 10-13  
 10.09.2011: Basic Teaching Course - Hands-on session 1 - Standard TTE exam  
 11.09.2011: Basic Teaching Course - Quantification - A Comprehensive TOE study  
 Hands-on session 2 - Hemodynamic measurements  
 13.09.2011: Accreditation course: Tamponade & Pericardial disease
173. SAARC AA 2011, Bengaluru, India  
 25 - 28 august 2011  
Invited speaker  
 Right ventricular failure: diagnosis and management  
 Assessment of fluid status and fluid responsiveness in critically ill patients



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174. Abbott International  
 28<sup>th</sup> August, 2011 - Pune  
 Depth of Anesthesia - Current Concepts  
 30<sup>th</sup> August, 2011 - Delhi  
 Depth of Anesthesia - Current Concepts  
 31<sup>th</sup> August - Mumbai  
 Depth of Anesthesia - Current Concepts
175. IPEC 2011. 6<sup>th</sup> International Symposium on Parameterized and Exact Computation. September 7-9, 2011. Saarbrücken, Germany.
176. ESICM Lives 2011 - Berlin  
 24<sup>th</sup> Annual Congress 1-5 October 2011  
**October 1, 2011**  
Critical Care Ultrasound - Basic & Advanced Levels  
 Chair  
Critical Care Ultrasound - Advanced Level  
 Imaging: TOE  
**October 2, 2011**  
Critical Care Ultrasound - Advanced Level  
 Chair  
 Endocarditis  
 Aortitis and atheromatous degeneration  
**October 4, 2011**  
Thematic session - Extracorporeal Life Support  
 Chair  
Industry Sponsored Session - Covidien  
 How to address the burden of pulmonary complications after intubation in short and long term intubated patients in OR  
**October 5, 2011**  
Thematic session - Unexpected Critical Events during Pregnancy  
 Physiological changes you should know
177. Amsterdam-Leiden Masterclass Intensive Care  
 03.03.2012 - Echocardiografie op de IC - prof. dr. Jan Poelaert
178. 32<sup>nd</sup> International Symposium on Intensive Care and Emergency Medicine  
 Brussels Meeting Center - March 20-23, 2012  
March 18, 2012 - Critical care echocardiography workshop  
 Advanced program - Interactive cases - prof. dr. J. Poelaert  
March 19, 2012 - Critical care echocardiography workshop  
 Beginners program - Transechophageal echo - prof. dr. J. Poelaert  
 Advanced program - Endocarditis  
March 22, 2012 - Hemodynamic monitoring  
 The place of 3D and strain echocardiography - prof. dr. J. Poelaert  
March 22, 2012 - Sedation & Analgesia  
 Influence of sedatives on the inflammatory response
179. 15<sup>th</sup> WFSA World Congress of Anaesthesiologists  
 Buenos Aires - Argentina - 25-30 March 2012  
March 27<sup>th</sup> - Perioperative Echocardiography in the 21<sup>st</sup> Century  
 What view is this? Comprehensive Multiplane TEE Examination - Jan Poelaert  
 Regional Ventricular Function: Ischaemia Monitoring and TEE - Jan Poelaert
180. IPEC 2012. 7<sup>th</sup> International Symposium on Parameterized and Exact Computation. September 12-14, 2012, Ljubljana, Slovenia.
181. XX<sup>th</sup> ESSFN Conference  
 26<sup>th</sup> – 29<sup>th</sup> September 2012  
 Abstract: Spinal Cord Stimulation Modulates cerebral functions and neurobiology: an fMRI study and 1H MRS study – Abstract ID: 318  
 Maarten Moens, Sunaert Stefan, Mariën Peter, Brouns Raf, De Smedt Ann, Droogmans Steven, Van Schuerbeek Peter, Poelaert Jan, Nuttin Bart

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182. ESICM Lives 2012 – Lisbon – 25th Annual Congress – 13-17 October 2012
    - 13.10.12: Echocardiography: Hands on & How to measure and interpret inferior vena cava diameter?
    - 14.10.12: Echocardiography: Hands on & ICC 3: Clinical cases of valvular regurgitation (TTE, 2D and color Doppler only)
    - 15.10.12: Crazy heart: rhythm disturbances in ICU: Common rhythm challenges
    - 16.10.12: Chair: Oral presentations - Cardiovascular ultrasounds
  
  183. 6<sup>th</sup> International Baltic Congress of Anesthesiology and Intensive Care
    - 18-20 October 2012 – Vilnius, Lithuania
    - 20.10.2012: The burden of post-intubation pulmonary complications after short and late term intubation in the operating theatre
  
  184. International Course Echocardiography for hemodynamic monitoring
    - Brussels – Erasme Hospital, November 6-8, 2012
    - November 7, 2012 – Complications post cardiac surgery/Free access to hands-on
  
  185. Perioperative Care of the Older Person – SARB/BSGG
    - Thermae Palace Hotel, Ostend
    - November 10, 2012 – Nursing aid in anaesthesia and resuscitation (NASAR) in Belgium: Why, how, when ...
  
  186. International Symposium on Automated Low Flow Anesthesia and Visual Drug Display Systems - Navat
    - OLV Hospital Aalst, Belgium - September 21, 2013
    - Xenon: will automated low flow let this stranger in?
  
  187. IPEC 2013. 8<sup>th</sup> International Symposium on Parameterized and Exact Computation. September 04-06. Sophia Antipolis, France.
  
  188. ESICM - Lives 2013 - 26<sup>th</sup> Annual Congress
    - Paris 5-9 October 2013 - Palais des Congres
    - Basic Critical Care Ultrasounds: heart and lung
    - October 5, 2013 - Chair & speaker: Massive valvular regurgitation: How to identify the problem?
    - October 7, 2013 - Chair: Fluid Management in perioperative Intensive Care
  
  189. ASA 2013 - 12-16 October 2013 - San Francisco
    - In Vitro Performance of 4 Different Brands of Prefilled CO2 Absorbent Canisters With the Aisys.
    - Sofie De Cooman, Jan Poelaert, Rik Carette, Tom Van Zundert, Jan FA Hendrickx, M De Wolf.
  
  190. Congrès Annuel SSAR
    - November, 7-9, 2013, Beaulieu Lausanne
    - November 8, 2013: Session II: Lung - Lungprotective perioperative care
  
  191. International Course - Echocardiography for Hemodynamic Monitoring
    - Brussels, Erasme Hopital, November 19-21, 2013
    - November 20, 2013 - Complications post cardiac surgery - Free access to hands-on
  
  192. 34<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine. Square - Brussels Meeting Center. March 18-21, 2014.
    - Critical care echocardiography workshop. March 16-17, 2014.
    - Advanced Program - Sunday, March 16, 2014.
    - Right Heart Evaluation in the critically ill patient.
    - 09:45 - Echo Doppler evaluation. Jan Poelaert (Brussels, Belgium).
    - What Echo tells me.
    - 15:00 - Mitral/aortic valve pathology. Jan Poelaert (Brussels, Belgium).
  
  193. 34<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine. Square - Brussels Meeting Center. March 18-21, 2014.
    - Critical care echocardiography workshop. March 16-17, 2014.
    - Beginners Program - Monday, March 17, 2014.
    - 16:15 - Transesophageal echo. Jan Poelaert (Brussels, Belgium).

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194. 34 th International Symposium on Intensive Care and Emergency Medicine. Square - Brussels Meeting Center. March 18-21, 2014. Scientific Program, Friday 21 March 2014. Salle M (Bozar). High-risk surgery. 09:30 - Prevention of perioperative aspiration. Jan Poelaert (Brussels, Belgium).
  195. 34 th International Symposium on Intensive Care and Emergency Medicine. Square - Brussels Meeting Center. March 18-21, 2014. Scientific Program, Friday 21 March 2014. 100 Hall. Severe Heart failure. 12:00 - Diastolic dysfunction: What to do about it ? Jan Poelaert (Brussels, Belgium).
  196. In vivo imaging and quantification of the local immune response after myocardial ischemia/reperfusion injuring using nanobodies  
PhD day VUB  
Simon Tierens, Isabel Remory, Gezim Bala, Sophie Hernot, N. Tran, Tony Lahoutte, Jan Poelaert
  197. Second International Symposium on automated low flow anesthesia and visual drug display systems. Anesthetic or drug ? An overview. Mervyn Maze, USA. Chairman: Jan Poelaert (Brussels, Belgium).
  198. IPEC 2014. 9<sup>th</sup> International Symposium on Parameterized and Exact Computation. September 10-12, Wroctaw, Poland.
  199. 27 th Annual Congress, 27 september - 1 october. Centre De Convencions International De Barcelona. Heart and Lung Ultrasounds. Group A and group B. Massive valvular regurgitation: How to identify the problem ? Jan Poelaert, Brussels, Belgium.
  200. Treating pain after hybrid atrial fibrillation surgery: intravenous vs paravertebral vs epidural anesthesia. Matthias Raes, M.D., Vincent J. Umbrain, M.D., Ph.D, Peter Kayaert, M.D, Dimitri Aerden, M.D., Jan Poelaert, M.D.
  201. Echocardiography for Hemodynamic Monitoring. Brussels - Erasme Hospital, November 18-20, 2014. 16:30 Complications post cardiac surgery. J. Poelaert (Brussels, Belgium). 17:30 Free access to hands-on. J. Poelaert (Brussels, Belgium).
  202. 4th iFAD: November 27th-29th /Final Program. 11:50 TEE - Advanced techniques. Jan Poelaert, Brussels, Belgium. 13:30 Hands-on Cardiac. Jan Poelaert, Brussels, Belgium. 14:00 Heart - The transesophageal approach. Jan Poelaert, Brussels, Belgium. 15:00 Hands-on Session: Cardiac Abdomen.
  203. BESEDIM 2014. Strangulation, sex...and stroke. A very serious condition also for teenagers. Olivier Detriche, MD - Didier Moens, MD - Jan Poelaert, Phd - Cécile Carlier, MD - Julien Van Dorpe, MD - Fabien Guérisse, MD.
  204. To measure upper body non-invasive blood pressure durine anesthesia. M. Raes, V. Umbrain, P. Kayaert, D. Aerden, J. Poelaert. Post Graduate Assembly in Anesthesia in New York 2014.
  205. BSAR 2015 - Safety First Anno 2015. Januari 31, 2015 - Brussel.
  206. ISURA 2015. 12th International Symposium of Ultrasound for Regional Anesthesia and Pain Medicine. Rotterdam, Netherlands - September 30, 2015 - October 03, 2015. J. Poelaert.
  207. Echocardiography for Hemodynamic Monitoring. Erasme Hospital, Auditorium Jaumotte, November 17-19, 2015. Introduction to Hemodynamic Monitoring. Complications post cardiac surgery. J. Poelaert, Brussels, Belgium. Mod. D. De Backer, Brussels, Belgium. Free access to hands-on. J. Poelaert, M. Slama, Amiens, France, D. De Backer, Brussels, Belgium et al.

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208. IFAD 2015. 5<sup>th</sup> International Fluid Academy Days. Antwerp - November 26-28<sup>th</sup> 2015. Course on Acute Care Ultrasound. TEE. Advanced techniques. Jan Poelaert. Ultrasound Monitoring. I need US monitoring. J. Poelaert.
  209. ESICM - Lives 2015. 28<sup>th</sup> Annual Congress. Citycube - Berlin. 3 - 7 October 2015. Basic Echocardiography: Heart and Lungs. Massive valvular regurgitation. How to identify the problem? J. Poelaert, Brussels. Belgium.
  210. 31<sup>st</sup> International Winter Symposium: Anesthesia and Perioperative Care in Trauma – February 4<sup>th</sup>-6<sup>th</sup>, 2016 – Leuven - Common denominators in trauma care – Jan Poelaert, chairman
  211. 36<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine - Brussels, March 13-14, 2016. Echo Doppler evaluation - Mitral/aortic valve pathology – Echo assistance in weaning from the ventilator. Jan Poelaert
  212. 37<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine Square - Brussels Meeting Center, March 19-20, 2017  
Critical Care Echocardiography Workshop  
Case studies on Valve Lesions & Shock in the Post-operative Setting, Jan Poelaert
  213. ISICEM Brussels, 21-24 March 2017  
Passive Leg raising - Workshop- Learn with the experts, Jan Poelaert

(d) Presentations national congresses and symposia

1. Influence of dopexamine hydrochloride on the right ventricle, measured by thermodilution technique. JIT Poelaert, HE Mungroop, JJ Koolen, PCM vanden Berg. **3rd meeting of Cardiothoracic Anaesthesiologists te Lyon (8-10 juni 1988)**
2. Effets rénaux d'un nouvel agent dopaminergique: la dopexamine. F. Colardyn, D. Vogelaers, J. Vandebogaerde, J. Poelaert. **18ème Congrès de la Société de Réanimation de Langue française. Paris, 23-26 november 1989.**
3. Limitations and pitfalls of pulse oximetry. Workshop Pulse Oximetry, **5th European Symposium on Intensive Care Medicine, Amsterdam, 4-8 juni 1990.**
4. Hemodynamic effects of PEEP-ventilation on the right ventricle after CABG. J. Poelaert, CLA Reichert, JJ. Koolen, CA Visser. **Int. Symposium on Transesophageal, Intraluminal and Stress Echocardiography; Mainz, 31 oct - 2 nov, 1990.**
5. Short term hemodynamic effects of inverse ratio ventilation with a Right ventricular ejection fraction (REF) catheter. J. Poelaert, D. Vogelaers, F. Colardyn. **6th International Symposium in Cardiopulmonary Urgencies and Emergencies; Rotterdam, 26-29 nov.1990.**
6. Monitoring of the arterial-jugular venous oxygen saturation difference in severe head injury. C. De Deyne, J. Poelaert, T. Vandekerckhove, F. Martens, F. Colardyn. **11th International Symposium on Intensive Care and Emergency Medicine, Brussel, 19-22 maart 1991.**
7. Assessment of Mitral Valve Function. J. Poelaert. **First International Symposium "Update in Cardiac Surgery, Anesthesia, and Intensive Care". Gent, 12-13 april 1991.**
8. Assessment of jugular bulb oximetry and lactate determinations during hyperventilation in severe head injured patients. C. De Deyne, J. Poelaert, T. Vandekerckhove, F. Martens, J. Van Aken, L. Calliauw, F. Colardyn. **8th International Symposium on Intracranial Pressure. Rotterdam, 16-20 juni 1991.**
9. Evaluation of Left Ventricular Hemodynamics during different PEEP-ventilation Modes. J. Poelaert, J. Everaert, J. Decruyenaere, F. Colardyn. **4th International Symposium "New Technologies in Cardiovascular Ultrasound", Mayo Clinic, Rochester, Minnesota, USA; 15-18 sept. 1991.**

10. Influence of continuous positive pressure ventilation on right ventricular afterload (poster). JIT Poelaert, CLA Reichert, JJ Koolen, JA Everaert, CA Visser. **4th International Symposium "New Technologies in Cardiovascular Ultrasound", Mayo Clinic, Rochester, Minnesota, USA; 15-18 sept. 1991.**
11. Jugular Bulb oximetry in the management of severe head injury. C. De Deyne, J. Poelaert, T. Vandekerckhove, F. Martens. **Vrije mededeling Assemblée Annuelle Commune Société Suisse de Médecine Intensive. Davos, Zwitserland, 17-19 okt. 1991.**
12. Nouvelles perspectives pour le traitement des traumatismes crâniens graves. C. De Deyne, J. Poelaert, F. Colardyn. **2nd International Expert Meeting on Oximetry. Lyon, 28-29 nov. 1991.**
13. Monitoring of Jugular Bulb Oxygen Saturation in Severe Head Injured patients (poster). C. De Deyne, J. Poelaert, T. Vandekerckhove, J. Van Aken, F. Colardyn. **International Symposium "Topics in Intensive Care", Amsterdam, 27-28 nov. 1991.**
14. Peroperative control of mitral valve surgery with the use of echocardiography. G. Van Nooten, F. Caes, K. François, J. Poelaert. C. Walton and R.C. Lillehei **Surgical Society. 1st Annual Scientific Meeting. Orlando, Florida, USA, 1 feb. 1992.**
15. Netilmicin 6 mg/kg once daily versus three times daily in patients with serious infections in intensive care; a randomised study. F. Colardyn, D. Vogelaers, G. Claeys, J. Poelaert, K. Vandewoude, J. Decruyenaere, G. Verschraegen. **International Congress on the Management of Infection (ICMI); Amsterdam, 5-9 april 1992.**
16. Transesophageal Doppler evaluation of right ventricular afterload in adult respiratory distress syndrome. J. Poelaert, J. Everaert, J. Decruyenaere, D. Vogelaers, F. Colardyn. **Vlth Congress of the International Cardiac Doppler Society. Budapest 1-3 mei, 1992.**
17. Peroperative Decision Making in Mitral Valve Replacement with Biplane Transesophageal echocardiography (poster + orale presentatie). J. Poelaert, J. Everaert, F. Colardyn, G. Van Nooten. **Meeting Working Group on Valvular Heart Disease of the European Society of Cardiology: "Non-invasive assessment of patients with valvular heart disease"; Basel, 14-15 mei 1992.**
18. Correlating jugular bulb oxygen saturation and cerebral perfusion pressure in severe head injury patients. **5th Annual Trauma Anesthesia and Critical Care Medicine. Amsterdam, Nederland. 11-12 juni 1992.**
19. Use of Jugular Bulb Oximetry to assess the safety of controlled hypotension during cerebral aneurysm surgery. C. De Deyne, J. Poelaert, J. Van Aken, T. Vandekerckhove, O Kalala, L. Calliauw, F. Colardyn. **World Congress of Anesthesiology, Den Haag, Nederland, 12-19 juni 1992**
20. Use of Jugular Bulb oximetry in the management of acute hepatic encephalopathy. C. De Deyne, J. Poelaert, J. Decruyenaere, J. Van Aken, E. Mortier, A. De Somer, B. de Hemptinne, F. Colardyn. **World Congress of Anesthesiology, Den Haag, Nederland, 12-19 juni 1992**
21. Transesophageal Echocardiographic Monitoring during Anesthesia for Defibrillator Implantation (poster). J. Poelaert, J. Everaert, L. Jordaens, L. Herregods. **5th Symposium European Association of Cardiothoracic Anesthesiologists, Maastricht, Nederland; 9-11 juni 1992.**
22. Right Ventricular Function and Cardiogenic Shock Symposium "Low Output Syndrome in the Perioperative Period. Mechanisms and Management". **Academisch Medisch Centrum, Universitair Ziekenhuis bij de Universiteit van Amsterdam, Amsterdam, Nederland; 17 dec. 1992.**
23. Jugular Bulb Oximetry as a Guide to Therapy of Hepatic Encephalopathy. J. Decruyenaere, C. De Deyne, J. Poelaert, J. Van Aken, E. Mortier, B. de Hemptinne, F. Colardyn. **Licage, Innsbruck, april 23-24, 1993**

24. Transesophageal echo-Doppler evaluation of right ventricular outflow impedance during positive pressure ventilation. J. Poelaert, C. De Deyne, J. Decruyenaere, J. Everaert, F. Colardyn. **2nd International Symposium on Heart Failure - Mechanisms and Management. Geneve, 16-20 mei 1993**
25. Jugular bulb metabolic data within first 12 hours after severe head trauma. C. De Deyne, J. Poelaert, J. Decruyenaere, F. Colardyn. **8th World Congress on Emergency and Disaster Medicine. Stockholm, June 20-23, 1993**
26. Monitoring of Right Ventricular Function. **2nd International Symposium Update in Cardiac Surgery, Anesthesia, and Intensive Care. 21-24 september 1993, Gent.**
27. Peroperative Decision Making in Mitral Valve Surgery with Biplane Transesophageal Echocardiography. J. Poelaert, L. Herregods. **Turkish Society of Cardiovascular-Thoracic Anesthesia and Intensive Care. Okt. 1993.**
28. Transesophageal echocardiographic monitoring during anaesthesia for defibrillator implantation. L. Herregods, J. Poelaert. **Turkish Society of Cardiovascular-Thoracic Anesthesia and Intensive Care. Okt. 1993.**
29. Work of Breathing during different spontaneous breathing Ventilatory Modes. C. Roosens, J. Poelaert, A. Koch, D. Vogelaers, F. Colardyn. **Belg. Vereniging Intensive Zorgen en Urgentiegeneeskunde, UCL. 21 april 1994.**
30. Peroperative decision making with biplane TEE in mitral valve surgery. L. Herregods, A. Moerman, J. Poelaert, G. Rolly. **Eur. Academy of Anesthesiology, 1994.**
31. Differential lung ventilation in unilateral refractory lung atelectasis. R. Blanca, Ph. Debucquoy, J. Poelaert, L. Foubert, F. Camu. 29 Okt. 1994.
32. Myocardial stunning due to severe carbon monoxide poisoning. Blanca Garcia R, Vogelaers D, Vandewoude K, Calle P, Poelaert J, Colardyn F. **Scientific session of the Toxicological Society of Belgium and Luxemburg. Brussels, 8 mei 1995.**
33. Hemodynamic monitoring of left ventricular filling and ejection during transvenous defibrillator implantation. Poelaert J, Jordaens L, Declerck C, Herregods L. **Int. Society of Heart Failure; 3rd International Symposium on Heart Failure - Mechanisms and Management. Geneva, 21-25 mei 1995.**
34. Anesthetic management of end-stage liver disease. Den Blauwen N, Mortier E, Ongenaes M, Poelaert J, Rolly G. **Belgian Society of Transplantation; Antwerpen, 4 maart 1995.**
35. TEE evaluation of heart function and filling status in heart donor patients. Medina H, Poelaert J, Lievens M. **Postervoorstelling in Postgraduate Assembly of NY Anesthesiologists. New York, 9-13 december 1995.**
36. Peroperative Decision Making in Mitral Valve Surgery with Biplane Transesophageal Echocardiography. L. Herregods, J. Poelaert, L. Foubert, G. Rolly. **19th Annual Symposium of Anesthesiologists. Israel, Tel Aviv, June 1996**
37. Echocardiography in the critically ill: noninvasive versus invasive haemodynamic monitoring. J. Poelaert. **Staff meeting Soins Intensifs ULB Hopital Erasme, Brussels. November 18, 1996**
38. Bedside estimation of left ventricular contractility. C. Schmidt, D. Rijckaert, C. Roosens, J. Poelaert. **4th Update in Cardiovascular Surgery, Anaesthesia and Intensive Care. Gent, Belgium. September 18-20, 1997.**
39. Des volumes d'amorçage extracorporels réduits à usage pédiatrique: qu'elles bénéfices? F De Somer, L Foubert, J. Poelaert, D Dujardin, G Van Nooten, K François. **Collège Français de Perfusion. Lille 1997.**
40. Transoesophageal echocardiography in critically ill patients. J. Poelaert, C Schmidt. **Abstractboek 8th International Symposium on ICU, Bremen, 11-13 februari 1998. Abstractboek pp 150-2**

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41. Determination of Cardiac Output by Transoesophageal Echocardiography. G Poortmans, J Poelaert, C Roosens. **First European Symposium on Clinical Imaging and Networking. Antwerpen, 24 april 1998.**
  42. Video and echocardiographic-assisted minimally invasive valve surgery. G Van Nooten, Y Van Belleghem, M e Pauw, C Schmidt, J Poelaert. **XIII World Congress of Cardiology, Rio de Janeiro, Brazilië; 26-30 april 1998.**
  43. Normovolaemic haemodilution assessed with preload adjusted maximal power. G. Poortmans, Y Deryck, C Roosens, J Poelaert. The Association of Anaesthetists of Great Britain and Ireland Education and Research Trust. **Annual Scientific Meeting 1999. Brighton, UK.**
  44. Outcome comparison in critically ill patients with Candidal fungemia: Candida albicans versus candida glabrata. S. Blot, K. Vandewoude, E. Hoste, J. Poelaert, F. Colardyn. **39th Interscience Conference on Antimicrobial Agents and Chemotherapy. San Francisco; 26-29 september 1999.**
  45. Targetting and maintaining a tight blood glucose range in the critically ill: feasible or not? Oeyen S, Poelaert J, Vandewoude K, Decruyenaere J. **17th Annual Congress – Berlin, Germany, 10-13 oktober 2004.**
  46. Could we rely on a new portable echocardiograph to assess bedside haemodynamics in the critically ill? I. Deblaere, R. Amà, S. Bouchez, J. Heerman, J. Poelaert. **Euroanaesthesia 2005, Annual Meeting of the European Society of Anaesthesiology, Vienna, Austria, 28-31 mei 2005.**
  47. Optimisation of heart rate in left ventricular hypertrophy using TEE-doppler during cardiac surgery. S. Weyne, B. Bouchez, J. Poelaert, E. Mortier. **Research Meeting van de Belgische Vereniging voor Anesthesie, Wommel, 18 juni 2005.**
  48. Werkgroep Antifibrinolytica Exacyl en Trasylol. **Commissie Tegemoetkoming Geneesmiddelen – RIZIV, Brussel, 20 juni 2006**
  49. **Research Meeting, Society for Anesthesia and Resuscitation of Belgium, UZ Brussels, April 19<sup>th</sup>, 2008 (moderator)**
  50. **Research Meeting, Society for Anesthesia and Resuscitation of Belgium, UCL Saint-Luc, Woluwe-Saint-Lambert, June 14, 2008 (Moderator)**
  51. **Doppler-Echocardiography in Intensive Care and Emergency Medicine"**, Brussel , Erasme, Brussels, November 5 -7, 2008
  52. **Doppler-echocardiography in Intensive Care Medicine**  
Erasmusziekenhuis, Brussels - November 22-24, 2011  
Introduction to hemodynamic monitoring  
Complications post cardiac surgery - Jan Poelaert  
Free access to hands-on - Jan Poelaert
  53. **AMICE Operation Room Management Meeting – UZ Brussel – October 18<sup>th</sup>-19<sup>th</sup> 2012**  
18.10.12: OR presentations UZ Brussel – prof. dr; J. Poelaert: "Actual problems"
  54. **Impact of Anesthesia on outcome. Saturday, 23 november 2013.** Kinopolis, Antwerpen.  
Homeostasis and outcome. Chairs: Jan Poelaert, VUB and Edgar Engelman, ULB
  55. **International Symposium on Intensive Care and Emergency Medicine**  
March 16-21, 2014 – Belgium – brussels – Meeting Center (Square)  
Critical Care Echocardiography Workshop – March 16, 2014  
Beginners: hands-on  
Advanced: Echo Doppler evaluation – Mitral-aortic valve pathology  
Critical Care Echocardiography Workshop – March 17, 2014  
Beginners: hands-on - transoesophageal echo

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56. **Wintersymposium Anesthesia - UZ Leuven - 07-08/02/2014.**  
Chairmen: A. Neyrinck (Leuven); J. Poelaert (Brussel)
  57. **Permanent onderwijs in de anesthesiologie Nederland - België.**  
C.E.E.A. Committee for European Education in Anaesthesiology.  
Antwerpen. Radisson Blu Astrid Hotel.  
Ventilation en VAP's. Prof. J. Poelaert. 19 maart 2015 - 26 maart 2015 - 08 oktober 2015 -15 oktober 2015.
  58. **The 30th International Winter Symposium.** Obstetric Anesthesia towards better care for mother and child. February 6 - 7, 2015. UZ Leuven, Belgium.
  59. **Quality in Perioperative Medicine.** 21 November 2015. Aula Magna, Louvain-la-Neuve. Improving Quality in Anesthesia. Chairs: Jan Poelaert. VUB and Grégory Hans, ULiège. Is postoperatieve hyperthermie belangrijk qua outcome? Jan Poelaert, VUB.
  60. **The 31st International Winter Symposium.** Anesthesia and perioperative care in trauma. February 4 – 6, 2016. UZ Leuven, Belgium.  
Chairmen: session 9: Common denominators in trauma care  
J. Poelaert (Brussel), Poortmans
  61. **The 32nd International Winter Symposium.** Enhancing safety in Anesthesia. February 9 – 11, 2017. UZ Leuven, Belgium  
Chairmen: session 7: Some final essentials.  
J. Poelaert (Brussel); G. Poortmans (Leuven)
  62. **3º Simpósio de Anestesia.** Tailor made anesthesia, Até onde monitorizar em anestesia. September 30, 2017. Hospital Da Luz, Lisboa, Portugal  
Does fluids matter? Jan Poelaert, VUB.



(e) lectures at universities and scientific institutions**1. Spreekbeurten op de stafvergadering Anesthesie in het U.Z. te Gent**

- "Het gebruik van een vortex-pomp (Bio-Medicus)" in februari 1987
- "Perioperatief gebruik van vasodilatoren" 14 sept.1987
- "Dopexamine en het rechter ventrikel" 30 mei 1988
- "Kinderventilatie" 27 feb. 1989
- "Spinaal trauma" 18 feb. 1991
- "Waarde van transoesophagale echocardiografie voor de anesthesist" 12 juni 1995
- "Huidige plaats van calcium blockers in de behandeling van acute arteriële hypertensie" 31 januari 2007

**2. Refereeravonden in het Academisch Medisch Centrum te Amsterdam (1987-88):**

- "Het gebruik van Naloxone"
- "Indicaties van drukgestuurde ventilatie"
- "Bloedtransfusies bij polytraumata"

**3. Spreekbeurten op de Stafvergaderingen van de Dienst Intensieve Zorgen, U.Z. te Gent:**

- Drukgecontroleerde beademing. 27 okt. 1989.
- Management van de bovenste luchtwegen op Intensieve Zorgen. 25 mei 1990
- Hemodynamische effecten van inverse ratio ventilatie, bekeken met transoesophagale echocardiografie. 14 dec. 1990
- Miskende cervicale fracturen en spinaal trauma. 21 juni 1991.
- High Frequency Oscillation Ventilation: principes en indicaties. 17 dec. 1993.
- Hemodynamische Monitoring anno 1995. Okt. 1994.
- Waarde van transoesophagale echocardiografie bij diagnostiek van aorta descendens scheur. 6 nov. 1994 (+ moderator discussie).
- Sedatie op Intensieve Zorgen 5 feb. 1999
- Nieuwere sedativa op intensieve zorgen. Juni 2000

**4. Spreekbeurten op andere stafvergaderingen in het UZ Gent:**

- Postoperatieve Ventilatie en Weaning bij chirurgische patiënten. UZ, staf chirurgie; 5 dec.1992.

**5. Spreekbeurten (december 1995 - februari 2008) voor de Dienst Anesthesiologie und Operative Intensivmedizin van de Westfälische Wilhelms Universität te Münster, Deutschland (Dir. Prof. Dr H. Van Aken):**

- anatomische beelden en correlaten met echocardiografie
- peroperatoire evaluatie van linker ventrikel systolische functie
- intraoperatieve evaluatie van linker ventrikel diastolische functie
- intraoperatieve benadering van mitralisklepfunctie
- intraoperatieve bepaling van aortaklep functie
- peroperatoire diagnostiek van aorta pathologie
- interpretatie van Doppler patronen
- Applicability of tissue Doppler imaging (TDI) to assess global and regional left function.
- Imaging of the right ventricle and assessment of right ventricular function.

**6. LOK vergaderingen:**

- Antwerpen: Intraoperatieve Bloeddruk Regulatie (30 april 1998)
- St. Nikolaas: Perioperatieve Bloeddrukcontrole (15 oktober 1998)
- UZ Gent (Intensieve Zorgen): Transoesofagale echocardiografie op Intensieve Zorgen (25 november 1998)
- Roeselare: Slokdarm echocardiografie in de acute setting (7 december 1998)
- Kortrijk: Intra- en postoperatieve bloeddrukcontrole (14 december 1998)
- Roeselare: Intraoperatieve Bloeddrukcontrole (31 maart 1999)
- Antwerpen: Perioperatieve Behandeling van Arteriële Hypertensie (28 april 1999)
- Oostende: Controle van arteriële bloeddruk in kritische omstandigheden (september 1999)
- Gent: Gebruik van dexmedetomidine op Intensieve Zorgen (december 1999)
- Dubbele LOK vergadering (Roeselare-Torhout-Ieper-Menen-Izegem): Veranderlijke patronen van management en impact op morbiditeit (7 maart 2002)
- Leuven-Hasselt: Invloed van management op morbiditeit in een MICU eenheid (30 mei 2002).
- Dendermonde: LOK IZ 2 (UZ en perifere ziekenhuizen): Sedatie en Analgesie op een MICU eenheid (20 november 2002)

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- Arteriële hypertensie in de urgentie. LOK Middelheim. (Oktober 2005)
  - Hemodynamische Monitoring. LOK IZ, UZ Gent (20 juni 2007)
  - UZ Brussel: Plaats van calcium entry-blockers in de perioperatieve periode ( 15 oktober 2007).
7. **Stafvergaderingen in perifere ziekenhuizen (opleidingscentra):**
    - Sedatie op Intensieve Zorgen. Stafvergadering AZ St Jan Dienst Anesthesie en IZ (23 november 1998)
    - Bloeddrukcontrole in het operatiekwartier. ZOL Genk - dienst Kritische Zorgen (9 december 1998)
    - Nicardipine in de praktijk. H. Hartziekenhuis, Roeselare; dienst Anesthesie (11 december 1998)
    - Gebruik van Nicardipine op Intensieve Zorgen. Antwerpen, 24 maart 1999.
    - Nicardipine en bloeddrukcontrole. Kortrijk, 31 maart 1999.
    - Gebruik van Kortwerkende Analgo-sedatie op Intensieve Zorgen. Brugge, 10 september 2001
    - Analgosedatie in een Medisch Intensieve Zorgen afdeling. Antwerpen, 31 januari 2002
    - Nieuwe inzichten in het gebruik van analgosedatie op IZ en spoedafdeling. ZOL Genk, oktober 2002
    - Analgosedativa in de IZ afdeling: nieuwe inzichten. Hasselt Virga Jesse ziekenhuis. Mei 2003
    - Arteriële hypertensie voor spoedartsen. VUB AZ Jette. (Augustus 2005)
    - Behandeling van arteriële hypertensie in de urgentie. OLV Ziekenhuis Aalst, dienst anesthesie en IZ (november 2005)
  8. **"Intra-aortic ballonpomp"** in samenwerking met het perfusieteam van het Onze-Lieve-Vrouweziekenhuis te Aalst. December 1986.
  9. "Case Report: Left ventricular assistance with vortex-pump without anticoagulants and reservoir during 72 h." Poelaert J., Gooris T., Wellens F., Vanermen H., Evenepoel M.Cl., De Somer F. 16 mei 1987 voor de Belgische Vereniging van Anesthesie en Reanimatie.
  10. Transoesophageal Echocardiography in Intensive Care. J. Poelaert. International Minisymposium on Transoesophageal Echocardiography and Color Doppler Flow Mapping in Anaesthesia and Intensive Care. U.Z.Gent, 25 november 1989.
  11. Literature Overview of Inversed Ratio Ventilation. J. Poelaert. Workshop on Inversed ratio Ventilation, Brussel, 13 dec. 1989.
  12. Case Study of I.R.V. J. Poelaert. Workshop on Inversed Ratio Ventilation, Brussel, 13 dec. 1989.
  13. Interuniversitaire Lessencyclus R.U.G.- U.I.A. 1989-1990:
    - \* management van een beademde patient op Intensieve Zorgen (2 delen)
    - \* cardiogeen en niet-cardiogeen longoedeem.
  14. Vlaamse Anesthesiologie Cursus (1989 - 1990): ARDS. (1991-1992):
    - \* ARDS
    - \* Bevochtiging van ingeademde gassen (1993- ): ARDS
  15. Haemodynamic effects of different ventilation modes in ARDS. An Echo-Doppler study: preliminary results. J. Poelaert, D. Vogelaers, F. Colardyn. Werkgroep ARIES te Rotterdam, Erasmus Universiteit, 9 maart 1990.
  16. Beademing bij ARDS. J. Poelaert. Postgraduaat van pneumologie. 8 feb. 1990, U.Z. Gent.
  17. Capnometrie en capnografie. Vlaamse Vereniging der Intensieve Zorgen Verpleegkundigen - 19 feb.1990 - Antwerpen.

18. Evaluation of the Hemodynamic Effects of Inverse Ratio Ventilation with the REF-catheter. J. Poelaert Symposium "Rechter Ventrikel Volume Metingen", OLV Ziekenhuis, Aalst, 27 sept. 1990.
19. Interuniversity Guest Lectures: Transesophageal Echo and Doppler Evaluation of the Hemodynamic Effects of Pc-IRV. Univ. Luik 18.10.90; VUB 5.11.90; KUL 11.01.91; UCL 21.02.91; UIA 4.03.91; ULB 16.05.91.
20. Hemodynamic and Respiratory effects of Pc-IRV. Stafvergadering Intensive Care, Hopital Erasme, ULB Brussel, 29 okt. 1990.
21. Behandeling van arteriële hypertensie op intensieve zorgen. Postgraduaat Anesthesie, UZ Gent. 7 jan. 1991.
22. Bulbus Jugularis oximetrie bij ernstig neurotrauma. C. De Deyne, J. Poelaert, T. Vandekerckhove, F. Martens, L. Calliauw, F. Colardyn. Belgische Vereniging voor Intensieve Zorgen en Urgentiegeneeskunde. Brussel 1.2.91.
23. Deelname in Paneldiscussie van de Teleconferentie "Advancement in the Medical Treatment of Spinal Cord Injuries", tijdens het 11th International Symposium on Intensive Care and Emergency Medicine, Brussel 20 maart 1991.
24. Hemodynamische effecten van PEEP-ventilatie. Postgraduaat Intensieve Zorgen, UZ Gent. 23 mei 1991.
25. Doppler Evaluatie van Pulmonaire Hypertensie. Werkgroep ARIES, Amsterdam, 4 okt. 1991.
26. Spinal Cord Injury. 5de Cursus Intensieve Zorgen, Roeselaere; 22 nov. 1991.
27. IRV: effets respiratoires et hémodynamiques. Minisymposium "Techniques de ventilation en Soins Intensifs: Actualités". Namur, 14 dec. 1991.
28. Polytrauma: ventilatie en anesthesieaspecten. Polytrauma Symposium van het N.V.K.V.V., 22 feb. 1992, U.Z. Gent.
29. "ARDS en sepsis" voor de Vlaamse Vereniging van Ziekenhuisapothekers, tijdens een themadag over Sepsis. Internationaal Congrescentrum, Gent; 19 jan. 1993.
30. Bijscholing van de Internisten in opleiding van het Universitair Ziekenhuis te Antwerpen: "ARDS: huidige ventilatie technieken". UZA 26 jan. 1993.
31. Ventilatie van patiënten met thoraxtrauma. Tweedaagse voor Intensieve Zorgen Verpleegkundigen, NVKVV, H. Hartziekenhuis, Roeselare, 22 april 1993.
32. Waarde van transesofageale echocardiografie op Intensieve Zorgen. Tweedaagse voor Intensieve Zorgen Verpleegkundigen te Roeselare, 22 april 1993.
33. Hamilton Medical Gebruikers Bijeenkomst. Eerste klinische ervaringen met de Veolar FT in België. Aartselaar, 2 dec. 1993.
34. Interuniversitaire Cursus Spoedgevallen- en Urgentie Geneeskunde (1993 - 1994): Ventilatoir beleid bij een acute astma aanval.
35. Opvang van thoraxtrauma met vermoeden van majeur vasculair aorta letsel. Moderator. Stafvergadering Intensieve Zorgen en Spoedgevallen. 26 november 1994.
36. Differential Lung Ventilation in Unilateral Refractory Lung Atelectasis. R. Blanca, P. Dubucquoy, J. Poelaert, L. Foubert, F. Camu. Belg. Vereniging Anesthesie en Reanimatie, 28 okt. 1994.
37. Hemodynamic Monitoring Anno 1995. Stafvergadering Intensieve Zorgen en Spoedgevallen. 12 november 1994.
38. Evaluation of cardiac donors by TEE: preliminary results. Lievens M, Poelaert J, Medina H, Rolly. G. Belg. Vereniging voor Anesthesie - Resident's meeting. UZ St. Rafael, Leuven, 2 september 1995.

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39. Facultatieve cursus Intensieve Zorgen (Prof. Dr F. Colardyn), partim ventilatie en anesthesie technieken op Intensieve Zorgen (1988 - 1995).
  40. Interuniversitaire Postgraduaatcursus Intensieve Geneeskunde UIA-RUG-KUL-VUB:
    - \* hemodynamiek bij beademing ((1990 - );
    - \* acuut ventilatoir falen (1990 – 1999).
  41. Lesgever (partim ventilatie, anesthesietechnieken en sedatie op Intensieve Zorgen) in het Provinciaal Instituut voor Verpleegkunde te Gent, voor de cursus "Intensieve Zorgen", 20 jaar (1992 - ).
  42. Comparison of beat to beat stroke volume analysis by the Wesseling method and by TEE in critically ill patients. L. De Baerdemaeker, J. Poelaert, JRC Jansen, C. Roosens, K. Vandewoude, F. Colardyn. Belgische Vereniging voor Intensieve Zorgen en Urgentiegeneeskunde - Jaarlijkse Meeting. Leuven, April 25, 1996.
  43. Comparison of different flow-trigger mechanisms during weaning after cardiac surgery. B. Vangehuchten, C Roosens, J. Poelaert, F. Colardyn. Belgian Society of Intensive Care, Yearly Assembly, Leuven April 25, 1996.
  44. In vivo comparison of humidification by 5 heat and moisture exchangers. N. Van den Eynde, C. Roosens, J. Poelaert, K. Vandewoude, D. Vogelaers, F. Colardyn. Belgian Society of Intensive Care, Yearly Assembly, Leuven, April 25, 1996.
  45. The effects of nicardipine on left ventricular contractility after coronary artery bypass surgery. D. Rijckaert, C. Schmidt, J. Poelaert, C. Roosens, F. Colardyn. Belg. Vereniging Intensieve Zorgen en Urgentiegeneeskunde. Jaarlijkse residents meeting. Brussel, 18 April 1997.
  46. Flow-triggering with two different ventilators during weaning after cardiac surgery. S. Bracke, C. Roosens, J. Poelaert, F. Colardyn. Belg. Vereniging Intensieve Zorgen en Urgentiegeneeskunde. Jaarlijkse residents meeting. Brussel, 18 April 1997.
  47. A case of thrombophlebitis of the central veins: review of the literature. D. Benoit, J. Decruyenaere, K. Vandewoude, C. Roosens, E. Hoste, J. Poelaert, F. Colardyn. Belg. Vereniging Intensieve Zorgen en Urgentiegeneeskunde. Jaarlijkse residents meeting. Brussel, 18 April 1997.
  48. Perioperatieve Transoesofagale Echocardiografie. Cursus voor Beginners. Najaar 1997 in verschillende Univ. Instellingen.
  49. Perioperatieve Transoesofagale Echocardiografie. Cursus voor Advanced gebruikers. Voorjaar 1998 in verschillende Univ. Instellingen.
  50. Perioperatieve Transoesofagale Echocardiografie voor Beginners. Antwerpen, 27-28 november 1998.
  51. International Perioperative Echocardiography. Tweedaagse Cursus voor Beginners en Advanced gebruikers. Ieder jaar 2° weekend van december ('Christmas Echo'). Organisatoren: A. Ducart (ULB), J. Poelaert (RUG), Joost Vander Maaten (Groningen), Erik Korsten (Eindhoven).
  52. Vasodilatantia in peri-operatieve zorgen. J. Poelaert. Wetenschappelijke avond met Verantare, Antwerpen, 30 april 1998.
  53. Comparison of percutaneous tracheostomy with standard surgical technique. P. Deene, J. Poelaert, C. Roosens, K. Vandewoude, F. Colardyn. Belgische Vereniging voor Intensieve Zorgen en Urgentiegeneeskunde. Antwerpen, 16 mei 1998
  54. Noninvasive Assessment of LV function during Propofol sedation after cardiac surgery. S. Herbout, C. Schmidt, C. Roosens, G. Van Nooten, F. Colardyn, J. Poelaert. Belgische Vereniging voor Intensieve Zorgen en Urgentiegeneeskunde. Antwerpen, 16 mei 1998
  55. Work of Breathing after cardiac surgery. D. De Schrijver, C. Roosens, J. Poelaert, F. Colardyn. Belgische Vereniging voor Intensieve Zorgen en Urgentiegeneeskunde. Antwerpen, 16 mei 1998

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56. Outcome after prolonged ventilation after cardiac surgery. D. Pattyn, J. Poelaert, C. Roosens, G. Van Nooten, F. Colardyn. Belgische Vereniging voor Intensieve Zorgen en Urgentiegeneeskunde. Antwerpen, 16 mei 1998
  57. Outcome determinant after cardiac surgery. K. De Graeve, J. Poelaert, C. Roosens, G. Van Nooten. Residents Meeting, Belg. Vereniging voor Anesthesie en Reanimatie. Brussel, 3 oktober 1998
  58. Prolonged ventilatory support after cardiac surgery. D. Marreceau, C. Roosens, G. Van Nooten, J. Poelaert. Belg. Vereniging voor Anesthesie. (22 mei 1999)
  59. Renal risk stratification after cardiac surgery. N. Roels, J. Poelaert, C. Roosens, F. Colardyn. Belg. Ver. voor Intensieve Zorgen en Urgentiegeneeskunde. 26 februari 1999.
  60. Influence of exhalation assist on work of breathing in the spontaneously breathing patient. S. Oeyen, C. Roosens, G. Poortmans, F. Colardyn, J. Poelaert. Belg. Ver. Intensieve Zorgen en Urgentiegeneeskunde. 26 februari 1999.
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  62. Echocardiography and CPR. Abstract in: Resuscitation 2000. 5<sup>th</sup> Scientific Congress of the European Resuscitation Council, Antwerpen, België.
  63. Mini-Symposium Anesthesie-Intensieve Zorgen: Sedatie peroperatief en op Intensieve Zorgen. Gent, St.-Pietersabdij, 6 mei 2000.
  64. REVAKI 3<sup>o</sup> lic. Pulmonaire complicaties na hartchirurgie.
  65. Gebruik van Anagosedativa op Intensieve Zorgen en in de Cardio-anesthesie. Workshop voor Vertegenwoordigers van Glaxo-SmithKline-Beecham (Nederlands en Franstalig). Erembodegem, 7 Oktober 2001.
  66. Clinical Use of Opioids in the Critically Ill. In Symposium: Sedation in the Critically Ill Patient: What's new? Parijs, 20 April, 2002.
  67. Evaluation of Sodium Nitroprusside induced changes of static and dynamic elastic properties of the descending thoracic aorta with transesophageal echocardiography and automated border detection. J Heerman, P Segers, C Roosens, J Poelaert. Belg. Vereniging voor Anesthesie en Reanimatie, Brussel. 30 november 2002.
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  69. Slokdarmechocardiografie: waarde op intensieve zorgen. Update in ICU 2003. Antwerpen, Mei, 2003.
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  73. 4de proef Geneeskunde, keuzevak Cardiovasculaire Geneeskunde: 25.05.04, Shock, Bib 8 K12 IE
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  75. Lezing hartfalen en calcium sensitizers: CHU Charleroi, november 2005

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76. Meeting: Levosimendan Task Force: Simdax Key Messages: All Data: What would you tell colleagues? 24.01.2006, Frankfurt.
  77. 4de proef geneeskunde – richting ziekenhuisartsen, geïntegreerde les Acute Behandeling van Hypertensie 23.02.06 (samen met Prof. Gillebert)
  78. Levosimendan: mode of action to indications. J. Poelaert. Université Catholique de Louvain, Cliniques Universitaires St-Luc et Mont-Godinne, Services des Soins Intensifs, Urgences et Anesthésie, 11.05.2006.
  79. Levosimendan: «Mechanismen en gebruik van calcium sensitizers in hartfalen». AZ Sint-Jan, Dept. Anesthesie, Kritische Zorgen en Pijnkliniek, Brugge, 11.09.2006.
  80. Applicability of tissue Doppler imaging (TDI) to assess global and regional left ventricular function. Imaging of the right ventricle and assessment of right ventricular function. Echo modalities to facilitate a more quantitative approach to segmental myocardial dysfunction. Münsteraner TEE-Kurs, Universitätsklinikum Münster, Duitsland, 21.01.2007.
  81. New strategies in supporting ventricular function. Les Centres Hospitaliers, Département Chirurgie Cardiovasculaire, Orangerie du Château de Seneffe, 28.04.2007
  82. Research meeting, June 27, 2012 – Auditorium Prof. J. Van de Walle, UZ Leuven  
Evaluation of the occurrence of atelectasis with the PulmoVista®500 monitor, when using different airway devices for general anaesthesia  
A. Evans, L. Szegedi, J. Poelaert
- (f) achieved credits, grants and donations (with statement of the organization, the sort and the amount)
1. Nationaal Fonds voor Wetenschappelijk Onderzoek - Krediet aan Navorsers (1996-1998). Bedside and on line approach of left ventricular contractility. J. Poelaert, M. De Pauw, Y. Taeymans, Ir. I. Lemahieu, Ir. P. Verdonck, F. Colardyn. (1 500 000, - BEF)
  2. Bijzonder Onderzoeksfonds Universiteit Gent met een tweejarig doctoraatsmandaat (1998-1999). Bepaling van de Systolische Linker Kamer Functie met Druk-Oppervlakte Diagrammen en Contrast Echocardiografie. J. Poelaert, M. De Pauw, P. Verdonck, G. Van Nooten, F. Colardyn. (± 3 000 000,- BEF)
  3. Verkennend Europees Onderzoeksproject: Vergelijkend Onderzoek van invasief gemeten aorta impedantie en niet-invasief bekomen bepaling van elastische eigenschappen met transoesofagale echocardiografie en akoestische impedantie (1999-2000). J. Poelaert, Y. Deryck, P. Segers, P. Verdonck, G. Van Nooten, F. Colardyn. Dit onderzoek liep in samenwerking met de Klinik und Poliklinik für Anästhesiologie und Intensivmedizin, Universitätsklinik, Westphalische Wilhelmsuniversität, Münster, Deutschland. (± 3 000 000,- BEF)
  4. Geautomatiseerde bepaling van hartkamer functie bij kritisch zieke patiënten door middel van het principe van Preload Adjusted Maximal Power. FWO Krediet aan Navorsers (2000-2002). Jan Poelaert<sup>1</sup>, Patrick Segers<sup>2</sup>, Pascal Verdonck<sup>2</sup>, Francis Colardyn<sup>3,1</sup>. <sup>1</sup> Afdeling voor Intensieve Zorgen, Universitair Ziekenhuis, Gent; <sup>2</sup> Labo voor Hydraulica, Universiteit Gent; <sup>3</sup> Diensthoofd Intensieve Zorgen, Universitair Ziekenhuis Gent en Voorzitter Opleidingscommissie Ibttech. (480 000,- BEF)
  5. Predictie van mortaliteit en morbiditeit door bepaling van pompvermogen van de linker kamer bij kritisch zieke patiënten. J. Poelaert, J De Sutter, P Verdonck. Bijzonder Onderzoeksfonds Universiteit Gent (2002-2003) (75 000 €)
  6. Experimentele modellering van de bloed-linker ventrikelwandinteractie met behulp van ultrageluid. P Verdonck, J. Poelaert. IWT project. Universiteit Gent (2003-2004).
  7. Echocardiografische evaluatie van myocardfunctie in ratten in septische shock: bepaling van myocard Doppler beeldvorming, rek en rekverandering in een longitudinale follow-up studie. J. Poelaert, P. De Paepe, R. Lefèbvre, P. Segers. Bijzonder Onderzoeksfonds voor Basisuitrusting, Universiteit Gent (2005-2007) (100 000 €)

- 
8. Digitaliseringsproject van onderwijsmateriaal. J Poelaert, M Struys. (2006) (7.425 €)
  9. Diastolic Dysfunction after Cardiac Surgery. J Poelaert - Gepts fonds (2008)(100 000 €)
  10. FWO. Naar een beter inzicht in wat palliatief gesedeerde patiënten ervaren: getallen linken aan ervaringen. (2015 - 4 jaar – Med 8 – 285000 €)  
Reginald Deschepper (Critical Care, Free University of Brussels), Peter Theuns (Department of Experimental and Applied Psychology, Vrije Universiteit Brussel), Jan Poelaert (Department of Anesthesiology and Perioperative Medicine, Vrije Universiteit Brussel), Steven Laureys (Coma Science Group, Cyclotron Research Center & Neurology De, Université de Liège)
  11. Compass: Towards a better understanding of what palliative sedated patients experience. Linking numbers to experiences  
Deschepper R, Poelaert J, Theuns P & Laureys S  
FWO Aspirant: € 285,000.00

(g) promotor or daily management of essays and doctorate theses (statement of university institution)

(Co)Promotor Medical Doctorate: (applied by Faculty of Medicine – University Gent)

- Contribution to the study of one-lung ventilation in COPD patients during thoracic surgery.  
L Szegedi.  
24.11.2004.
- Learning Manual Skills in Anaesthesiology.  
G. Schüpfer  
Medisch doctoraat. 28.06.2005.
- Optimising the therapeutic use of local anaesthetics.  
From microdialysis of the rat spinal cord, to liposomal encapsulation and clinical trials.  
V. Umbrain  
04.06.2009
- Functional neuroimaging patients with failed back surgery syndrome treated with spinal cord stimulation  
M. Moens  
19.11.2013

Promotor of the following essays (Z-lijn):

- Predictie van mortaliteit en morbiditeit door bepaling van parameters voor linker ventrikel functie bij cardiaal kritisch zieke patiënten.  
V. Moerman.  
Scriptie voorgedragen tot het behalen van de graad van Arts. 2004.
- Intraoperatieve cardioprotectieve effecten van Sevoflurane en Desflurane. Studie in coronaire revascularisatie patiënten.  
M. Ruyffelaert  
D. Waelput  
Scriptie voorgedragen in de 2<sup>de</sup> proef in het kader van de opleiding tot Arts. 2005.
- Gebruik van beta-blockers bij de preventie van atriale fibrillatie in CABG patiënten met gedaalde linker kamer functie.  
A. Mulliez.  
Scriptie tot het behalen van de 1<sup>ste</sup> proef 2005-2006.
- Predictie van postoperatieve outcome en morbiditeit aan de hand van preoperatief geschatte diastolische functieparameters.  
Willem Goethals  
Scriptie tot het behalen van de 1<sup>ste</sup> proef 2006-2007.

- Evaluatie van anti-inflammatoire eigenschappen van fluoroquinolones.  
Elke Verstraeten.  
Scriptie tot het behalen van de 1<sup>ste</sup> proef (2006-2008).
- Echocardiografische evaluatie van myocardfunctie in ratten in septische shock: bepaling van myocard Doppler beeldvorming, rek en rekverandering.  
Isabelle De Kock en Caroline Vandaele.  
Scriptie tot behalen van de 1<sup>ste</sup> proef (2006-2008).
- Echocardiografische benadering van de linker kamer systolische en diastolische functie in septische shock. Een dierexperimenteel model.  
Isabelle De Kock en Caroline Van daele  
Scriptie voorgedragen in de 2<sup>e</sup> proef in het kader van de opleiding tot Arts 2007 – 2008
- Studie over de effecten van peroperatieve optimalisering van de voorbelasting op postoperatieve morbiditeit. Peroperatief gebruik van de SVV-CO monitoring.  
Niek Tytgat.  
Scriptie tot het behalen van de 1<sup>ste</sup> proef in het kader van de opleiding tot Arts 2008 (23 juni 2008)
- Comparatieve cardiac output-metingen simultaan met drie verschillende technieken bij electieve open-hart-heelkunde. Andy De Baerdemaeker.  
Eindwerk voorgelegd tot het behalen van de wettelijke graad van Arts Master in de Geneeskunde.
- Prospectieve studie ter evaluatie van de ontwikkelingsveranderingen ter hoogte van de luchtwegen bij kinderen. Niels Peyls.  
Theses neergelegd voor het behalen van de grad van Master in de Geneeskunde".
- De incidentie en risicofactoren van perioperatieve nierinsufficiëntie na matige en zware heelkundige ingrepen bij patiënten met en zonder preoperatieve nierinsufficiëntie.  
Lien Torisaen.  
Thesis neergelegd voor het behalen van de graad van Master in de Geneeskunde.

Promotor of thesis's Biomedical Science:

- Evaluatie van de hartfunctie bij sepsis en septische shock.  
G. Vercruysse.  
Scriptie voorgedragen tot het behalen van de graad 1<sup>ste</sup> licentie Biomedische Wetenschappen. 2005.
- Diagnostiek van diastolische dysfunctie bij coronaire insufficiëntie patiënten: het op punt stellen van een techniek.  
K. Claes.  
Verhandeling ingediend tot het verkrijgen van de graad van licentiaat in de Biomedische Wetenschappen. 2005.
- Modelgebaseerde kwantificatie van de systolische en diastolische linker ventrikel mechanica.  
Mathieu Verbeke.  
Verhandeling tot het verkrijgen van de graag van licentiaat in de Biomedische Wetenschappen. 2006.

Co-promoter of following theses:

- De invloed van kinesitherapie (tapotage, vibratie, aspiratie, houdingsdrainage) op de arteriële zuurstofsaturatie bij respiratoire insufficiëntie.  
B. Lannoy.  
Verhandeling voorgelegd tot het behalen van licentie in de motorische revalidatie en kinesitherapie. 1989



- Effect van wisselhouding op het ontstaan en op de evolutie van longinfiltraten bij patiënten met respiratoire insufficiëntie op intensieve zorgen.  
K. Vandenborre.  
Verhandeling voorgelegd tot het behalen van de licentie in motorische revalidatie en kinesitherapie.  
1990

#### Member Reading- and Examination committee University Gent & UZ Brussel

Luc Foubert (2002): Optimizing the Administration and Therapeutic Use of Inhaled Nitric Oxide (leescommissie)

Nathalie Stroobant (2004): Neurocognitive dysfunction following on-pump versus off-pump coronary artery bypass graft surgery: relation with intra-operative cerebral embolic load and cerebrovascular reactivity during cognitive activation. (leescommissie)

Jan Hendrickx (2004): The pharmacokinetics of inhaled anesthetics and carrier gases (examencommissie)

Laszlo Szegedi (2004): Contribution to the study of one-lung ventilation in COPD patients during thoracic surgery (examencommissie)

Dominique Benoit (2005): Outcome and prognostic indicators in patients with hematological malignancies admitted to the Intensive Care Unit with life-threatening complications. (leescommissie)

Tom Claessens (2006): Model-Based Quantification of Systolic and Diastolic Left Ventricular Mechanics (examencommissie)

Gian-Battista Chierchia (2013): Recent developments in percutaneous ablation of paroxysmal atrial fibrillation: focus on the cryothermal balloon technique

#### **KU Leuven (University Leuven)**

Alex Leather (2004): Right Ventricular Contractile Function. (examencommissie)

#### **St Luc Brussel (Yvoir) (University Brussels St-Luc)**

Isabelle Michaux (2006): Right Ventricular Function after Coronary Artery Surgery with or without Extracorporeal Circulation. An echocardiographic study. (examencommissie)

#### **Universities Abroad**

- Opponent and member examination jury for the thesis of Michelle Chew "Noninvasive Paediatric Cardiac Output Measurement using Doppler Echocardiography: Surface Integration of Velocity Vectors" (Aarhus, Denmark): 28 September 2000.
- Member of the Examination Jury for the thesis of Michael F. Haney: "Heart-Lung Interactions. Left ventricular performance during controlled alterations in loading conditions and airway pressure" (Umea, Sweden): 15 March 2002.
- Member of the doctorate commission for the thesis of E. Mahla: "Risk Adjustment in Cardiac Compromized Patients". Med. Universität Graz, Austria. 2007.
- A'Roch, R (2011) Left ventricular function's relation to load, experimental studies in a porcine model. Umea, Sweden.
- B Bouhemad (2013) Use of Ultrasonography in Cardiac and Pulmonary Disease. Paris, France

**Bijlage 3****SERVICE IN REFERENCE TO YOUR FUNCTION (ARRANGED PER CATEGORY BY UNDERMENTIONED DEFINITIONS AND IN EACH CATEGORY CHRONOLOGICAL)**

- (a) intern:  
chairman committee centre, functions decan, education director, committee, council, ...; organization training period, attendances, ... internal consultancy, management central services, ...
- (b) extern:
- (b1) scientific service: scientific consultancy, membership of scientific committees, editorial scientific review, ...
- (b2) social service: lectures, information sessions, membership of professional organisations

(a) **intern**:**Academic**

- Since 1 November 1989 full time active on the department of Intensive Care as scientific collaborator.
- 1 March 1993: nomination as First Science collaborator.
- 1 February 1999: senior lecturer (5 %).
- 1 October 2005: head lecturer (5 %)

**Clinical**

- Responsible Cardiac Surgical ICU (January 1990) and partim cardiac anaesthesia (adults, children and newborns).
- Since 1 November 1989 participation, duties in the hospital (cardiac anaesthesia, critical care).
- Assistant Clinical Director (1995 - 1998)
- Clinical Director (1 June 1998 - )
- Critical Care and Anaesthesia consultant in all other services of the University Hospital.
- Consultant for transoesophageal echocardiography in the Surgical and Medical ICU and in the Emergency Department.

**Member of editing council UZ-Letters (1992 - )**(b) **extern**:(b1) **scientific service****Memberships**

- Board member (1995 - 2000; 2001 - 2005) and secretary (1996 - 2000) of the Belgian Association on Intensive Medicine (SIZ).  
President-elect (2002-2003), Chairman (2003 - 2004). Past-president (2004 - 2005).  
Corresponded member (1993 - 1994), title leading member (1994 - ) of the Belgian Society of Intensive Care Medicine (SIZ).
- Member of the Nucleus and working group. Echocardiography of the Belgian Association for Cardiology (1993 - 2004).
- Fellow of the American College of Chest Physicians (FCCP) (1991- ).
- American Society of Echocardiography (1991 - ).
- World Association Cardiothoracic and Vascular Anesthesia (WACTVA); Belgian responsible person (1991 - 1994).
- Member of the Council on Cardiopulmonary and Critical Care van de American Heart Association (1992 - 1993).
- Working group ARIES (secr. Prof. Dr A. Versprille, Rotterdam) (1990 - 1994).
- Member of the Society of Cardiovascular Anesthesiologists (1994 - ).

- Member of the **European Society of Intensive Care Medicine (ESICM)**(1994- ); member working group on Clinical Physiological Monitoring (1995 - 1997); member working group Cardiovascular Dynamics (1997 - ) and Technology Assessment (1997 - )  
Chairman research group on Haemodynamics – Technology Assessment (2002 - ); Vice-chairman Section on Cardiovascular Dynamics (2003 - 2005). Chairman Cardiovascular Dynamics (2005 - 2007).
- Member of the Subcommittee on Clinical and Experimental Circulation van de **European Association for Anesthesiology (ESA)** (1996 - 2004); Lid van European Society of Anaesthesiologists (ESA) (1998 - );  
Chairman subcommittee on Clinical and Experimental Circulation (2000 - 2004); Member taskforce EACTA – ESA to set up the Guidelines for education in Cardiovascular Anesthesia and Intensive Care.
- Member of the International Trauma Anesthesia and Critical Care Society (ITACCS) (1996 - 1998).
- Member of European Association of Cardiothoracic Anaesthesiologists (EACTA) (1996 - 1997).
- Corresponding member of the Belgian Association for Anesthesia and Resuscitation (1997 - 2000). Entitled member, member of the Board (2007- ) and president (2009-2011).
- Founding member of the Belgian Resuscitation Council (2000 - )

#### **Reviewer of**

- The European Journal of Echocardiography
- Journal of Applied Physiology
- The European Journal of Heart Failure
- Anesthesiology
- Anesthesia and Analgesia
- Chest
- Intensive Care Medicine
- Critical Care
- Heart Lung, The Journal of Acute and Critical Care
- Acta Anaesthesiologica Belgica
- J of Clinical Monitoring and Computing
- British Journal of Anaesthesia

#### (b2) **social service:**

##### **Army service**

October 1, 1988 till October 31, 1989 in the Military Hospital in Ostend.  
Part time consultant in the Department of ICU (chair Prof. F. Colardyn).  
Specialisation in (transoesophageal) echocardiography in the Academical Medical Centre, University Hospital of Amsterdam, the Netherlands (director Echo-lab: CA Visser, MD, PhD)