



## Curriculum Vitae

Personal information **Jose Ignacio Malagon Calle**

### Work experience

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1. Employer: Radboud UMC, Nijmegen
  - Start date: 012019
  - End date:
  - Position: Prof. Paediatric Anaesthesia
  - Activities:
  - Country: Netherlands
2. Employer: Wyndeshawe Hospital NHS FT
  - Start date: 082011
  - End date: 122018
  - Position: Consultant Cardiac Anaesthesia
  - Activities:
  - Country: United Kingdom
3. Employer: Zaans Medical Centre
  - Start date: 022009
  - End date: 072011
  - Position: Consultant Anaesthetist
  - Activities:
  - Country: Netherlands
4. Employer: UMC Utrecht
  - Start date: 062007
  - End date: 012009
  - Position: Consultant Paediatric Cardiac Anaesthesia/ PICU
  - Activities:
  - Country: Netherlands
5. Employer: Leiden UMC
  - Start date: 021999
  - End date: 052007
  - Position: Consultant Paediatric Cardiac Anaesthesia/PICU
  - Activities:
  - Country: Netherlands
6. Employer: NICE
  - Start date: 022016
  - End date: 122018
  - Position: Consultant Clinical Adviser
  - Activities: Interventional procedures division
  - Country: United Kingdom

### Education and training

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1. Subject:
  - Start date: 011990
  - End date: 011999
  - Qualification: FRCA/ CCST Anaesthesia
  - Organisation: Training in Anaesthesia and Intensive Care. Includes a year fellowship in PICU in Vancouver Canada.
  - Country: United Kingdom

### Additional information

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#### Publications

**Malagon Calle JI**, Ramos Atance JA. Participacion del sistema inmune en la etiopatogenia de la enfermedad periodontal. *Avances en Periodoncia* 1990;**2**:165-175. (Role of the immune system in the aetiology of the periodontal disease).

**Malagon Calle JI**, Ramos Atance JA. Papel de las bacterias en la etiopatogenia de la enfermedad periodontal. *Avances en Periodoncia* 1990;**2**:177-187. (Role of local microorganisms in the aetiology of periodontal disease).

**Malagon I**, Grounds RM, Bennett ED. Changes in cardiac output during air ambulance repatriation. *Intensive Care Medicine* 1996;**22**:1396-1399

**Malagon I**, Lamb FJ. Comparing two methods of clinical measurement: Bland and Altman, a review of the anaesthesia and critical care literature. *Clinical Intensive Care* 1996;**7**:308-310

**Malagon I**, Karalliede L, Adams AP. Non invasive cardiac output measurement by suprasternal Doppler: its clinical applications. *Medical Science Monitor* 1996;**2**:514-519

Rhodes A, Lamb FJ, **Malagon I**, Newman PJ, Grounds RM, Bennett ED. A prospective study of the dobutamine test in patients with sepsis, severe sepsis or septic shock. *Critical Care Medicine* 1999;**27**:2361-6

Seear M, **Malagon I**, Hui H, Alexander J, Daoust C, Skippen P. Validation of a mathematical model to predict intrapulmonary shunt non-invasively. *Canadian Journal of Anaesthesia* 1999;**46**:483-7

**Malagon I**, Onkenhout W, Klok G, van der Poel PFH, Bovill JG, Hazekamp MG. Gut permeability in paediatric cardiac surgery. *British Journal of Anaesthesia* 2005;**94**:181-5

**Malagon I**, Hogenbirk K, van Pelt J, Hazekamp MG, Bovill JG. Effect of three different anaesthetic agents on the postoperative production of cardiac troponin T in paediatric cardiac surgery. *British Journal of Anaesthesia* 2005;**94**:805-9

**Malagon I**, Onkenhout W, Linthorst L, Klok G, van der Poel PFH, Bovill JG, Hazekamp MG. Dexamethasone reduces gut permeability in paediatric cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery* 2005;**130**:265-271 (Retracted)

**Malagon I**, Onkenhout W, Klok G, van der Poel PFH, Bovill JG, Hazekamp MG. Gut permeability in neonates following a stage I Norwood procedure. *Pediatric Critical Care Medicine* 2005;**6**:547-549

**Malagon I**, Hogenbirk K, van Pelt J, Hazekamp MG, Bovill JG. Effect of dexamethasone on postoperative cardiac troponin T production in pediatric cardiac surgery. *Intensive Care Medicine* 2005;**31**:1420-1426

**Malagon I**, Onkenhout W, Klok G, van der Poel PFH, Bovill JG, Hazekamp MG. Rhamnose and rhamnitol in dual intestinal permeability tests. *Journal of Pediatric Gastroenterology and Nutrition* 2006;**43**:265-266

**Malagon I**, Onkenhout W, Bovill JG, Hazekamp MG. Dexamethasone in paediatric cardiac surgery; implications using two surrogate markers. *Netherlands Journal of Critical Care* 2006;**10**:502-507

Slagt C, Beute J, Hoeksema M, **Malagon I**, Mulder JWM, Groeneveld J. Cardiac output derived from arterial pressure waveform analysis without calibration vs. thermodilution in septic shock: evolving accuracy of software versions. *European Journal of Anaesthesiology*.

Slagt C, de Leeuw MA, Beute J, Rijnsburger E, Hoeksema M, Mulder JW, **Malagon I**, Groeneveld AB. Cardiac output measured by uncalibrated arterial pressure waveform analysis by recently released software version 3.02 versus thermodilution in septic shock. *J Clin Monit Comput*. 2013;**27**:171-177

Greenhalgh D, Extracorporeal membrane oxygenation (ECMO) as

an alternative to ventilation. *Current Opinions in Anaesthesiology*, 2013 Feb;26(1):47-52.

Slagt C, **Malagon I**, Groeneveld J. A systematic review of uncalibrated arterial pressure waveform analysis to determine cardiac output and stroke volume variation. *British Journal of Anaesthesia* 2014 Apr;112(4):626-37

Felton TW, McCalman K, **Malagon I**, et al. Pulmonary penetration of piperacillin and tazobactam in critically ill patients. *Clin Pharmacol Ther.* 2014 Oct;96(4):438-48

Slagt C, Helmi M, **Malagon I**, Groeneveld ABJ. Calibrated arterial pressure waveform analysis is superior to the uncalibrated technique as compared to transpulmonary thermodilution in monitoring cardiac output in severe sepsis and septic shock. *Eur J Anaesthesiol.* 2015 Jan;32(1):5-12 (Accompanying editorial)

Yusuff, H, **Malagon, I**, Robson, K, Parmar, J, Hamilton, P, Falter F. Extracorporeal membrane oxygenation for Life-threatening ANCA-positive pulmonary capillaritis - A review of UK experience. *Heart, Lung and vessel* 2015;7:159-167

Thomas S, Hassan I, Barker J, Ashworth A, Barnes A, Fedor I, Feddy L, Hayes T, **Malagon I**, Stirling S, Szentgyorgyi L, Mutton K, Richardson M. Chronic mould exposure as a risk factor for severe community acquired pneumonia in a patient requiring extra corporeal membrane oxygenation. *Respiratory Medicine Case Reports* 2015 May 7;15:39-41

Feddy L, Barker J, Fawcett P, **Malagon I**. Intra-abdominal Hypertension (IAH) complicating Pancreatitis-Induced Acute Respiratory Distress Syndrome (ARDS) in 3 Patients on Extracorporeal Membrane Oxygenation (ECMO). *Anaesthesiology and Intensive Therapy* 2016;48(1):29-33

Nwaejike N, Elbur E, **Malagon I**, et al. Is there a role for the high-risk multidisciplinary team meeting in thoracic surgery? *Interact Cardiovasc Thorac Surg.* 2016 Jan 24. pii: ivv389

Howitt S, Grant S, Ridding D, **Malagon I**, McCollum C, Risk models that use postoperative patient monitoring data to predict outcomes in adult cardiac surgery: A systematic review. *J Cardiothorac Vasc Anesth.* 2016 Oct 4

Suliman M, Ogungbenro K, Kosmidis K, Ashworth A, Barker J, Barnes A, Davis A, Feddy L, Fedor I, Hayes T, Stirling S, **Malagon I**. The effect of veno-venous ECMO on the pharmacokinetics of ritonavir, darunavir, tenofovir and lamivudine. *J Crit Care.* 2017 Mar 12;40:113-118.

Krishnamoorthy B, Critchley WR, Nair J, **Malagon I**, Carey J, Barnard JB, Waterworth PD, Venkateswaran RV, Fildes JE, Caress AL, Yonan N. [Randomized Study Comparing the Effect of Carbon Dioxide Insufflation on Veins Using 2 Types of Endoscopic and Open Vein Harvesting.](#) *Innovations (Phila).* 2017 Oct 9. doi: 10.1097/IMI.0000000000000405.

Howitt S, Caidado C, McCollum C, **Malagon I**, Venkateswaran R, Grant S. Validation of three post-operative risk prediction models for 30 day mortality after cardiac surgery. *Thorac Cardiovasc Surg.* 2018 Jan 9. doi: 10.1055/s-0037-1608897

Howitt S, Herring M, **Malagon I**, McCollum C, Grant S. Incidence

and outcomes of sepsis after cardiac surgery as defined by the Sepsis-3 guidelines. *British Journal of Anaesthesia*. 2018 Mar;120(3):509-516

Krishnamoorthy B, Critchley W, Begum Z, Nair J, Devan N, Rammohan K, Krysiak P, **Malagon I**, Shah R. A randomised prospective study comparing the incidence of postoperative pain after phrenic nerve infiltration vs non-phrenic nerve infiltration on open thoracotomy. *Semin Thorac Cardiovasc Surg*. 2018 Dec 7. pii: S1043-0679(18)30372-1

Heward E, Syed F, **Malagon I**, Shah R, Barker J, Rammohan K. Thoracic surgery's role in extracorporeal membrane oxygenation services. *Asian Cardiovasc Thorac Ann*. 2018 Mar;26(3):183-187.

Stoye G, Fawcett P, **Malagon I**. The use of VV-ECMO in patients with drug dependencies. *J Artif Organs*. 2018 Sep;21(3):293-299

Howitt S, Blackshaw D, Hassan I, **Malagon I**. Comparison of traditional microbiological culture and 16S polymerase chain reaction analyse of preoperative respiratory tract samples for patients undergoing lung resection. *J Crit Care*. 2018 Aug;46:84-87.

Howitt SH, Grant SW, Caiado C, Carlson E, Kwon D, Dimarakis I, **Malagon I**, McCollum C. The KDIGO acute kidney injury guidelines for cardiac surgery patients in critical care: a validation study *BMC Nephrol*. 2018 Jun 25;19(1):149.

Krishnamoorthy B, Critchley WR, Soon SY, Birla R, Begum Z, Nair J, Devan N, Mohan R, Fildes J, Morris J, Fullwood C, Krysiak P, **Malagon I**, Shah R. A Randomized Study Comparing the Incidence of Postoperative Pain After Phrenic Nerve Infiltration Vs Nonphrenic Nerve Infiltration During Thoracotomy. *Semin Thorac Cardiovasc Surg* 2019;31(3):583-592

Howitt SH, Oakley J, Caiado C, Goldstein M, **Malagon I**, McCollum C, Grant SWA. Novel Patient-Specific Model for Predicting Severe Oliguria; Development and Comparison With Kidney Disease: Improving Global Outcomes Acute Kidney Injury Classification. *Crit Care Med* 2020 Jan;48(1):e18-e25

Howitt SH, Grant SW, Campbell NG, **Malagon I**, McCollum C. Are serum potassium and magnesium levels associated with atrial fibrillation after cardiac surgery? *J Cardiothorac Vasc Anesth*. 2020 May;34(5):1152-1159

Heijne A, Krijtenburg P, Bremers A, Scheffer GJ, **Malagon I**, Slagt C. Four different methods of measuring cardiac index during cytoreductive surgery and hyperthermic intraperitoneal chemotherapy. *Korean J Anesthesiol*. 2021 Apr;74(2):120-133

van Eijk LT, Servaas S, Slagt C, **Malagon I**. Predicting fluid responsiveness: Does it answer the right question? *Eur J Anaesthesiol*. 2021 May 1;38(5):449-451

Voet M, Cornelissen EAM, van der Jagt MFP, Lemson J, **Malagon I**. Perioperative anaesthetic care for the pediatric patient undergoing a kidney transplantation. *Paediatr Anaesth*. 2021 Nov;31(11):1150-1160

Vogels YLWM, van der Lee R, de Boode WP, **Malagon I**. Morbidity and mortality related to surgery in patients with

bronchopulmonary dysplasia: A retrospective cohort study in a Dutch tertiary institution. *Eur J Anaesthesiol* 2021;38:1295-1297

Servaas S, van Eijk LT, **Malagon I**, Slagt C. Prolonged perioperative use of radial artery applanation tonometry for cardiac output measurement during abdominal surgery: A potential pressure sore risk. *Eur J Anaesthesiol* 2022;39:170-173

Servaas S, van Eijk LT, **Malagon I**, Slagt C. Trending ability of cardiac output measurements using electrical cardiometry during abdominal surgery: A cohort study. *Eur J Anaesthesiol* 2022;39:619-622.

Tank CK, Himantono N, van Uiter A, **Malagon I**. Evaluation of the nociception level index in the paediatric population. *Pediatr Anesth*. 2023;00:1-2. doi:10.1111/pan.14632

Servaas S, van Eijk LT, de Vreede S, **Malagon I**, Slagt C. Perioperative validation of the TensorTip MTX device for noninvasive arterial pressure measurement: A method comparison study. *Cardio Res* 2022;13:372-379

van den Bersselaar LR, van Alfen N, Kruijt N, Kamsteeg EJ, Fernandez-Garcia MA, Treves S, Riazi S, Yang CY, **Malagon I**, et al. Muscle ultrasound abnormalities in individuals with RYR1-related malignant hyperthermia susceptibility. *J Neuromuscul Dis* 2023;10(4):541-554

van den Bersselaar LR, Jungbluth H, Kruijt N, Kamsteeg EJ, Fernandez-Garcia MA, Treves S, Riazi S, **Malagon I**, van Eijk LT, van Alfen N, van Engelen BGM, Scheffer GJ, Snoeck MMJ, Voermans NC. Neuromuscular symptoms in patients with RYR1-related malignant hyperthermia and rhabdomyolysis. *Brain Commun* 2022;10:4;fcac292

Hooijmans CR, Buijs M, Struijs F, Som T, Karim N, Scheffer GJ, **Malagon I**. Exposure to halogenated ethers causes neurodegeneration and behavioural changes in young healthy experimental animals: a systematic review and meta analyses. *Sci Rep* 2023 May 18;13(1):

Voet M, van Lier D, Lemson J, Zarbock A, **Malagon I**, et al. Hemodynamic and urinary excretion of kidney-injury biomarkers in pediatric kidney transplantation. *Pediatr Transplant* 2024(28):e14637

de Graaff JC, Frykholm P, Engelhardt T, Schindler E, Kovesi T, Simic D, **Malagon I**, et al. Pediatric anesthesia in Europe: variations within uniformity. *Paediatr Anaesth* 2024;34(9):919-925

Voet M, Lucker G, **Malagon I**, et al. A mixed method study in young children participating in clinical research during a kidney transplantation trajectory. *Prog Transplant* 2024;34(3):89-95

Voet M, Lemson J, Cornelissen M, **Malagon I**. Anesthesia and intensive care unit care in pediatric kidney transplantation: An international survey. *Paediatr Anaesth* 2024 Mar;34(3):235-242

van Langeveld I, Aalbers T, Prudon I, Koning R, Dors N, Hampsink B, Bronkhorst EM, Scheffer GJ, **Malagon I**, Hendriks M. Evaluation of propofol-based procedural sedation in pediatric hemato-oncological patients provided by physician assistants in

anesthesia. *Paediatr Anaesth* 2025 Jan;35(1):33-38.

Klein Tank C, Himantono N, Verhoeven BH, **Malagon I**. Assessment of postoperative pain in children following sclerotherapy of vascular malformations: a retrospective single centre cohort study. *Eur J Anaesthesiol Intensive Care* 2024 May 23;3(3)

van den Bersselaar LR, Schiemann AH, Yang CY, Voermans NC, **Malagon I**, Scheffer GJ, Bjorksten AR, Gillies R, Hellblom A,

Kamsteeg EJ, Snoeck MMJ, Stowell KM. Pathogenicity assessment of seven RYR1 variants in patients with confirmed susceptibility to malignant hyperthermia in the Netherlands. *Br J Anaesth* 2025 Jan 30

#### Projects

**Memberships** European Society of Anaesthesiology and Intensive Care (ESAIC)  
Dutch Society of Anaesthesia  
European Society of Paediatric Anaesthesia

Reviewer for:

Journal of Cardiothoracic and Vascular Anaesthesia

Journal of Cardiothoracic Surgery

European Journal of Anaesthesia

#### Other Relevant Information

Member of the Medical Directory Board at Zaans Medical Centre for 18 months.

External reviewer for the assessment of paediatric cardiac surgical services at University Medical Centre Groningen, The Netherlands. November 2014.

Voluntary work for paediatric cardiac surgery missions to Tunes, Surinam, International Children Heart Foundation.

Organization of ECMO simulator at EACTA

Clinical lead for Cardiac Theatres since May 2015 at UHSM.

Member of the Executive Board at the European Society of Paediatric Anaesthesia

Member of the scientific committee of the Paediatric Section at the Dutch Society for Anaesthesia

Examiner for the European Diploma of Anaesthesia (English and Spanish) at ESAIC.

Alternate member representing health care professionals at Paediatric Committee (PDCO) European Medicines Agency.

PDCO representative at Health Care Professionals Working Party in EMA.