

Curriculum Vitae

Name: Pedro Ibarra

Office Address: Avda Calle 127 #21-60 C218, Bogota, Colombia, 110121

Office Phone Number: +57 3165395268

Education:

- Pontificia Universidad Javeriana Medical School January 1980 December 1985
- Anesthesiology residency at Hospital de San Ignacio, teaching Hospital of the Pontificia Universidad Javeriana Medical School from February 1987 until January 1990
- Trauma Anesthesia and Critical Care fellowship (TRACC) from July 1995 until July 1996, Bellevue Hospital affiliated Hospital of New York University
- Pontificia Universidad Javeriana Diplomate in Virtual Education & Pedagogy from November 2002 through November 2002
- SCARE- Pontificia Universidad Javeriana: Evidence Based Medicine Course (EBM), August-December 2004
- Bath University United Kingdom: Master in Healthcare Informatics. Dissertation "with distinction" July 2012. Dissertation: Development of a questionnaire to assess attitude towards audit among perioperative care personnel

Licensure and Certification:

- **ECFMG: (Educational Commission for Foreign Medical Graduates) Certificate 443-639-0 Valid Indefinitely January 8, 1994**

Academic Appointments:

- Lab monitor at Department Physiological Sciences, Pontificia Universidad Javeriana 1982-1985

- Instructor Department Physiological Sciences, Pontificia Universidad Javeriana 1986-2007
- Instructor Physiology at Morphophysiology Department of Universidad Militar Nueva Granada, 1987-1991
- Director Morphophysiology Universidad Militar Nueva Granada, 1990-1991
- Instructor Anesthesiology Department, Hospital Militar Central 1991-1992
- Director Anesthesiology Residency Program, Fundacion Universitaria Sanitas, 2009-2023
- Instructor Anesthesiology Residency Program, Fundacion Universitaria Sanitas, 2023-current

Hospital Appointments

- Special Mandatory rural practice year: Academic rural at Pontificia Universidad Javeriana Medical School Physiology Lab Feb 1986-Jan 1987:
- Anesthesiologist (temporary) Clinica Fray Bartolome de las Casas February 1990-January 1991
- Anesthesiologist Hospital Militar Central February 1991- January 1992
- Anesthesiologist Clinica San Pedro Claver (Social Security) January 1992- May 1995
- Trauma Anesthesia Critical Care Fellowship at Bellevue Hospital Center / New York University July 1995-June 1996
- Anesthesiologist Clinica Reina Sofia (HMO Colsanitas) January 1993- June 1995 and September 1996-current

Professional Organizations:

- Sociedad Cundinamarquesa de Anestesiologia (SCA) [Cundinamarca Society of Anesthesiology] 1990-current
 - Elected Board Positions: Overseer 1990-1992; Academic coordinator 1992-1994, Vicepresident 1994-1995
- Sociedad Colombiana de Anestesiologia y Reanimación (SCARE) [Colombian Society of Anesthesiologists] 1990-current
 - Designated position: Safety Committee 1991-current (served as Chair 2007-2017)
 - Trauma Anesthesia Committee Chair 1997-1998
- Society of Critical Care Medicine (SCCM) 1995-2020
- European Society of Anesthesiology and Critical Care (ESAIC) 2008-2021
- International Anesthesia Research Society (IARS) 1995-2021
- International Trauma Anesthesia Critical Care Society (ITACCS) 1996-2015

- Confederacion Latinoamericana de Sociedades de Anestesiologia (CLASA) [Latin American Confederation of Societies of Anesthesiology]
 - Chair Safety Committee 2008-current
- American Society of Anesthesiologists (ASA) 1995-current
 - Member of Perioperative Medicine Annual Program Committee 2021-22
- World Federation of Societies of Anesthesiologists (WFSA) 2004-current
 - Elected: Education Committee member 2004-2012
 - Appointed: Webmaster 2008-2012
 - Elected: Safety Committee member 2012-2016
 - Elected: Latin American Representative to Council 2016-2024
 - Elected: Board member Director of Partnerships 2024-current

• Professional Activities:

- Elected as Student representative to Pontificia Universidad Javeriana Medical School Council 1983-1984
- Elected to deliver 1986 Graduating Class speech in Pontificia Universidad Javeriana Medical School Council January 24, 1986
- First Prize Anesthesia Resident Competition at XX Colombian Society of Anesthesiologists Congress 1989 paper: "Validation of systolic time intervals for intraoperative inotropism assessment"
- First Prize Anesthesia Technology Competition at XX Colombian Society of Anesthesiologists Congress 1989: "Automated blood pressure controller" (Sponsored by Colombian Research Fund -COLCIENCIAS/ Andes University) <https://www.anestesianet.com/awards/Awards.htm>
- First Prize Anesthesia Video Competition at XXI Colombian Society of Anesthesiologists Congress 1991: "Cardiovascular effects of epidural anesthesia"
- Appointed as Editorial Board member of Colombian Journal of Anesthesiology, official publication of SCARE, [Colombian Society of Anesthesiologists]: 1990-1993, thereafter reviewer for the journal
- Organizer of two Annual Anesthesia Courses of Cundinamarca Society of Anesthesiology (SCA) 1993-1994
- Director of Annual Anesthesia Courses of Clinica Reina Sofia Anesthesiology Department 1994-2023 (30 courses)
- Delegate of Colombian Society of Anesthesiologists (SCARE) to Bogota Health Secretary Resuscitation Council 1997-2000

- First Prize National Medicine Research Competition, "Juan Jacobo Munoz" COLSANITAS in 1999 with paper: "Cardiac morbidity in hospitalized surgical patients at Clinica Reina Sofia 1995-1998"
<https://www.anesthesianet.com/awards/Awards.htm>
- Delegate of Colombian Society of Anesthesiologists (SCARE) to Colombian Ministry of Health for Relative Value Guide discussions 2002
- Designer /creator of first four-year anesthesiology residency program (focused on Perioperative medicine) in Colombia at Fundacion Universitaria Sanitas 2008-2009
- Medical auditing perioperative care at HMO COLSANITAS 2008-2019
- Member of Committee of Health Technology Assessment of SANITAS (HMO) 2012-2016
- Commendation as "Exemplary teacher" at 75th Anniversary of Pontificia Universidad Javeriana Medical School, in Ceremony commending historically distinguished teachers as voted by students, teachers and alumni, of Javeriana Medical School; May 2017 <https://www.anesthesianet.com/awards/Awards.htm>
- Journal of Clinical Anesthesia Reviewer 2020-current
- Commended by anesthesia residents of Fundacion Universitaria Sanitas as director of Residency Program June 2023.
- Novel Approaches in Colombia
 - 1994. Preanesthetic assessment software development in Q&A Database Symantec, first electronic anesthesia assessment in Colombia that allowed registration of 163,000 patients. Article #8
 - 1998-2002 Teaching Pressure volume loops in cardiac physiology. These are concepts that were not mainstream in medical school. Book chapter #2
 - 1998. Criteria for PACU admission: Introduced PACU admission criteria in National Anesthesia standards. Article #10
 - 2000. Introduction of routine dynamic volume monitoring PPV. Article #11
 - 2002. First anesthesiology news Web portal in LatinAmerica 2002-2015
<http://Anesthesianet.com>
 - 2003. Promotion to use the concept of Ventriculo-vascular coupling in anesthesia practice: a physiological concept not very well known, that can have relevant impact in anesthetic practice in patients with cardiac morbidity. Article#7
 - 2005. Adoption of fluid restrictive approaches as standard anesthesia practice (to support this approach, Invited lecturers Christer Svensen in 2005, and Birgitte Brandstrup in 2006 to reinforce its implementation. Book chapter #5
<https://www.anesthesianet.com/crs/cursos.htm>
 - 2007. HbA1c criteria for procedures with high impact of risk of infection. Arthroplasties and spine instrumentation and vascular prosthesis, were

considered procedures in which complications had enormous impact on patients, so an HbA1c goal of 6.5% in diabetic patients was proposed, to ensure good chronic glucose control to decrease infections. Article #20

- 2007. Use of arteriovenous extraction rate as transfusion criteria. Article #21
- 2007. Streamlined approach to preanesthetic testing Article #34
- 2009. First four year anesthesia residency program with focus on patient outcomes. <https://www.unisanitas.edu.co/anestesiologia>
- 2011. SIRUMA. (Universal Anesthesia management registry) was a project that was designed to capture the cases of any practice in Colombia interested in data collection. It was sponsored by the Colombian Society of Anesthesiologists from 2011-2019.
<https://web.archive.org/web/20150816000011/http://www.siruma.org/>
- 2012. Adoption/ implementation of motto " dubito ergo sum" (I doubt, therefore I exist) in anesthesiology residency program.
- 2015. Memoirs Anesthesia Courses in Shockwave format in only one CD/DVD. It allowed hundreds of lectures with audio video and multimedia. Latest had 295 lectures (2000-2015) ISBN: 978 958 44 8591 5
- 2015 . Introduction of concept of "sterile cockpit: concept implementation in Colombian national Anesthesia Minimal Standards
https://www.researchgate.net/publication/388962948_Normas_Minimas_de_Seguridad_en_Anestesiologia?tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6ImxvZ2luliwicGFnZSI6InByb2ZpbGUiLCJwcmV2aW91c1BhZ2UiOiJwcm9maWxliiwicG9zaXRpb24iOiJwYWdlQ29udGVudCJ9fQ
- 2016. Implementation of PBM at Clinica Reina Sofia, first hospital in Colombia, and second in Latin America, and the only one, anesthesia led. Reference #41
- 2024. Delivered two Statements from the WFSA regarding anesthesiology's role in emergent care during the 61st Directing Council of PAHO (Pan American Health Organization) 30th September-October 4th, 2024 (Annual Meeting of Health Ministers from all the Americas) <https://www.paho.org/en/coverage-61st-directing-council>
<https://www.flickr.com/photos/pahowho/albums/72177720320847210/>
- 2024. Mentor in WFSA Mentoring program <https://wfsahq.org/member-focus/for-our-members/the-wfsa-global-mentoring-programme/>
- 2025. Creation of campaign to identify Anesthesiology "dynasties" WFSA part of its 70th Anniversary celebration, to promote the specialty. Ongoing

Teaching Activities:

- Physiology monitor: Direct, support and teach students in third semester Physiology lab practices, 10 lab practices per semester, February 1982- December 1984, Pontificia Universidad Javeriana Medical School
- Cardiovascular physiology in Medical Physiology Course in third semester at Pontificia Universidad Javeriana Medical School. 20 sessions per semester, February 1986-June 1995; February 1997-June 2007 (Innovations: designed animations in Shockwave of cardiac action potential and Autoregulation; e-exams Feb 2000-June 2007, online syllabus 1999-2009, pressure volume loops 1989-2007
- Anesthetics pharmacology in Medical Pharmacology Course in fifth semester at Pontificia Universidad Javeriana Medical School. 5 sessions per semester, February 1987-December 1989
- Organized two Annual Conferences of Cundinamarca Society of Anesthesiologists (SCA) 1993-1994
- Organized: 30 Annual Anesthesia Courses of Clinica Reina Sofia Anesthesiology Department October 1994-February 2023. Invited 78 international guests, from USA, UK, Australia, Netherlands, Belgium, France, Canada, Australia, Italy among other nationalities. <https://www.anestesianet.com/crs/cursos.htm>
- Organized Safety in Anesthesia modules at 4 Colombian Congresses of Anesthesiology (SCARE) 2005-2007-2009-2011
- Organized Safety in Anesthesia modules at 9 Latin American Congresses of Anesthesiology (CLASA) 2009-2011-2013-2015-2017-2019-2022-2023-and the current 2025
- Mentoring Program WFSA 2024: matched as a Leadership mentor to a mentee, (the President of the El Salvador Society of Anesthesiologists) Held monthly mentoring sessions May 2024-current
- Since 2009 and until today, have supervised anesthesiology residents of Fundacion Universitaria Sanitas in operating room, sedation and preoperative consultation at Clinica Reina Sofia in Bogota, Colombia. From 2009-2023 as Director of the program, was responsible for evaluation and feedback provider for anesthesiology residents. Created approach of "Knowledge pills" (structured presentation of best answers to specific clinical questions) supervised 669 sessions of topics assigned to residents, February 2016-January 2023, and presented among them ~40 refresher talks. Currently, teaching and supervising residents in the operating as well as the consultation areas at least 3 times a week.

Research Supervision

1. Physiological response to flumazenil in healthy volunteers, Pacheco J, Anesthesiology residency research at Hospital Militar Central Medical School 1991. Dr Pacheco practiced anesthesia, retired early.
2. Pulse wave velocity as a measure of arterial wall distensibility, Betancourt JF, Rozo L as research project in Internal Medicine Residency at Pontificia Universidad Javeriana Medical School, June 2002-Jan 2003. Dr Betancour is an Electrophysiologist at Bogota, Colombia, and Dr Rozo is an Internal Medicine physician working as Global Drug Safety Lead / Safety Benefit Risk Team at Grünenthal, Mexico.
3. Are transfusions associated with poorer outcomes in a hospital in Bogota? Master in Science in Epidemiology dissertation, Rossi Gonzalez a microbiologist at Kennedy Hospital, El Bosque University Bogota. (June 2024-ongoing).
4. During the pandemic June 2020-November 2020, invited and coached through Zoom “knowledge pills” to which they were invited, anesthesia residents from Guatemala, Honduras, El Salvador, Nicaragua, Dominican Republic, Costa Rica, Panama, Ecuador, Peru, Bolivia and Venezuela. Average number of participants ~55 per session.
5. Have actively participated in online electronic anesthesia/trauma and critical care resources: GASNET 1995 to date, AMI-List (Latin American electronic mailing group) 1997 to date, CCM-L 1995 to 2016.

Research Program:

1. Automatic Control of blood pressure, COLCIENCIAS- Andes University, (grant unknown) March 1986-November 1986, 10% (role: patient data collection in ICU, development of animal model of hypertension, and animal testing of prototype)
2. Effects of extended-release metoprolol succinate in patients undergoing non-cardiac surgery (POISE trial): a randomized controlled trial, Population Health Research Institute, McMaster University, (Budget unknown), March 2002-September 2007, 1% (randomized the first patients in the trial in Latin America, participated as Events adjudication committee member)
3. Prevalence of safety events among patients subjected to surgical procedures in hospital of Bogota, Health Secretary of Bogota; grant unknown, March 2022-January 2024, 40% (role: research project design, data collection, data analysis, in the process of writing paper submission)
4. Pertinence of medical indications for transfusions in a hospital of the public healthcare network, Atenea, ([District Agency for Higher Education, Science and Technology](#)), [31,000US\\$](#), November 2023- projected to April 2025, 85% (roles: design, data collection, data analysis, manuscript submission in process)

ARTICLES

1. Cavelier G, Gauthier A, Meier K, Bohorquez J, **Ibarra P**. Automatic Controller of arterial pressure. Proceedings of the IEEE Engineering in Medicine and Biology Society 10th Annual International Conference Page 0509 Vol II, New Orleans 4-7 Nov 1988 ISSN 7803-0785 / ISBN 0-7803-0785-2
https://www.researchgate.net/profile/Pedro-Ibarra-4/publication/224072665_Automatic_controller_of_arterial_pressure/links/5413bf170cf2bb7347db2726/Automatic-controller-of-arterial-pressure.pdf?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmxpY2F0aW9uliwicGFnZSI6InB1YmxpY2F0aW9uliwicHJldmldXNqYWdlloicHJvZmlsZSJS9fQ
2. **Ibarra P** Validation of systolic intervals for intraoperative monitoring of cardiac inotropism (First Prize in the "Juan Marin" Competition). Rev Col Anesthesiol 1989; 17: 209-18:
https://www.researchgate.net/publication/313609774_VALIDACION_DE_LOS_TIEMPOS_DE_INTERVALOS_SISTOLICOS_PARA_LA_MONITORIZACION_INTRAOPERATORIA_DEL_INOTROPISMO_CARDIACO_1er_Premio_JUAN_MARIN_1989?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmxpY2F0aW9uliwicGFnZSI6InByb2ZpbGUlLCJwcmV2aW91c1BhZ2UiOiJwcm9maWxlliwicG9zaXRpb24iOiJwYWdlQ29udGVudCJ9fQ
3. **Ibarra P** Physiology of the Coronary Circulation, anesthetic implications. Rev Col Anesthesiol 1990; 18: 215-26:
https://www.researchgate.net/publication/313609027_FISIOLOGIA_DE_LA_CIRCULACION_CORONARIA_IMPLICACIONES_ANESTESICAS?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmxpY2F0aW9uliwicGFnZSI6InByb2ZpbGUlLCJwcmV2aW91c1BhZ2UiOiJwcm9maWxlliwicG9zaXRpb24iOiJwYWdlQ29udGVudCJ9fQ
4. **Ibarra P**, Bohórquez J, Meier K, Gauthier A, Cavelier G Automatic and adaptive system for blood pressure control. Rev Col Anesthesiol 1990; 18: 9-12:
https://www.researchgate.net/publication/313608797_SISTEMA_AUTOMATICO_Y_ADAPTATIVO_PARA_CONTROL_DE_LA_PRESION_ARTERIAL?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmxpY2F0aW9uliwicGFnZSI6InByb2ZpbGUlLCJwcmV2aW91c1BhZ2UiOiJwcm9maWxlliwicG9zaXRpb24iOiJwYWdlQ29udGVudCJ9fQ
5. **Ibarra P** Physiology and development of the neonatal cardiovascular system. Rev Col Anesthesiol, 1991; 19: 15-26:
https://www.researchgate.net/publication/313608798_FISIOLOGIA_Y_DESARROLLO_DEL_SISTEMA_CARDIOVASCULAR_NEONATAL_IMPLICACIONES_ANESTESIOLOGICAS?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmxpY2F0aW9uliwicGFnZSI6InByb2ZpbGUlLCJwcmV2aW91c1BhZ2UiOiJwcm9maWxlliwicG9zaXRpb24iOiJwYWdlQ29udGVudCJ9fQ
6. **Ibarra P**, Parra G Minimal Safety Standards in Anesthesiology Colombian Society of Anesthesiology (SCARE) (First edition), Rev Col Anesthesiol 1992 20:85-90
https://www.researchgate.net/publication/388894200_NORMAS_MINIMAS_EN_ANESTESIOLOGIA_SOCIEDAD_COLOMBIANA_DE_ANESTESIOLOGIA_Y_REANIMACION_COMITE_DE_SEGURIDAD?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6ImxvZ2luliwicGFnZSI6InByb2ZpbGUlLCJwcmV2aW91c1BhZ2UiOiJwcm9maWxlliwicG9zaXRpb24iOiJwYWdlQ29udGVudCJ9fQ

7. **Ibarra P**, Parra M, Hernáandez H Cardiovascular effects of epidural anesthesia. Rev Col Anesthesiol 1992; 20: 105-117:
[https://www.researchgate.net/publication/313608795_EFECTOS_CARDIOVASCULARES_DE_LA ANESTESIA PERIDURAL Escuela Militar Medicina Nueva Granada? tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmXPY2F0aW9uIiwicGFfNiZSI6InByb2ZpbGUlcjwcmV2YW91c1BhZ2UiOiJwcm9maWxllwiG9zaXRpb24iOjwYWDIQ29udGVudCj9fQ](https://www.researchgate.net/publication/313608795_EFECTOS_CARDIOVASCULARES_DE_LA_ANESTESIA_PERIDURAL_Escuela_Militar_Medicina_Nueva_Granada?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmXPY2F0aW9uIiwicGFfNiZSI6InByb2ZpbGUlcjwcmV2YW91c1BhZ2UiOiJwcm9maWxllwiG9zaXRpb24iOjwYWDIQ29udGVudCj9fQ)
8. **Ibarra P** Combined epidural and general technique for patients with cardiac dysfunction. Rev Col Anesthesiol 1993; 21: 225-33:
[https://www.researchgate.net/publication/313602297_Tecnica_peridural_y_general_combinada para pacientes con disfuncion cardiaca? tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmXPY2F0aW9uIiwicGFfNiZSI6InByb2ZpbGUlcjwcmV2YW91c1BhZ2UiOiJwcm9maWxllwiG9zaXRpb24iOjwYWDIQ29udGVudCj9fQ](https://www.researchgate.net/publication/313602297_Tecnica_peridural_y_general_combinada_para_pacientes_con_disfuncion_cardiaca?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmXPY2F0aW9uIiwicGFfNiZSI6InByb2ZpbGUlcjwcmV2YW91c1BhZ2UiOiJwcm9maWxllwiG9zaXRpb24iOjwYWDIQ29udGVudCj9fQ)
9. **Ibarra P**, Rojas M, Sarmiento A Presentation of a novel system method to optimize pre-anesthetic consultation. Rev Col Anesthesiol 1996; 24: 145-156:
[https://www.researchgate.net/profile/Pedro-Ibarra-4/publication/313608929_PRESENTACION_DE_UN_NOVEDOSO_SISTEMA_PARA_OPTIMIZAR_LA_CONSULTA PREANESTESICA Revista Colombiana de Anestesiologia 24145-55_1996/links/589fada192851c7fb4bdf2ab/PRESENTACION-DE-UN-NOVEDOSO-SISTEMA-PARA-OPTIMIZAR-LA-CONSULTA-PREANESTESICA-Revista-Colombiana-de-Anestesiologia-24145-55-1996.pdf](https://www.researchgate.net/profile/Pedro-Ibarra-4/publication/313608929_PRESENTACION_DE_UN_NOVEDOSO_SISTEMA_PARA_OPTIMIZAR_LA_CONSULTA_PREANESTESICA_Revista_Colombiana_de_Anestesiologia_24145-55_1996/links/589fada192851c7fb4bdf2ab/PRESENTACION-DE-UN-NOVEDOSO-SISTEMA-PARA-OPTIMIZAR-LA-CONSULTA-PREANESTESICA-Revista-Colombiana-de-Anestesiologia-24145-55-1996.pdf)
10. **Ibarra P**, Capan LM, Wahlander S, Sutín KM Difficult airway management in a patient with traumatic asphyxia. Anesth Analg 1997; 85: 216-8: [https://journals.lww.com/anesthesia-](https://journals.lww.com/anesthesia-analgesia/fulltext/1997/07000/difficult_airway_management_in_a_patient_with.39.aspx)
[analgesia/fulltext/1997/07000/difficult Airway Management In A Patient With.39.aspx](https://journals.lww.com/anesthesia-analgesia/fulltext/1997/07000/difficult_airway_management_in_a_patient_with.39.aspx)
11. Galindo M, Carrillo R, Giraldo J, **Ibarra P**, Robledo B, Ruiz I, Zapata M Minimum Safety Standards in Anesthesiology. SCARE. Rev Col Anesthesiol 1998; 26: 187-94:
[https://www.researchgate.net/publication/388837305_Normas_minimas_de seguridad Anestiologia SCARE? tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6ImxvZ2luliwicGFfNiZSI6InByb2ZpbGUlcjwcmV2YW91c1BhZ2UiOiJwcm9maWxllwiG9zaXRpb24iOjwYWDIQ29udGVudCj9fQ](https://www.researchgate.net/publication/388837305_Normas_minimas_de_seguridad_Anestesiologia_SCARE?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6ImxvZ2luliwicGFfNiZSI6InByb2ZpbGUlcjwcmV2YW91c1BhZ2UiOiJwcm9maWxllwiG9zaXRpb24iOjwYWDIQ29udGVudCj9fQ)
12. **Ibarra P** Trauma, Anesthesia and Critical Care (TRACC). A Current Approach [Part I]. Rev Col Anesthesiol 1999; 27: 121-131: <https://pesquisa.bvsalud.org/portaL/resource/pt/lil-353349>
13. **Ibarra P** Trauma, Anesthesia and Critical Care (TRACC). A Current Approach [Part II]. Rev Col Anesthesiol 1999; 27: 219-226: <https://pesquisa.bvsalud.org/portaL/resource/pt/lil-353341>
14. **Ibarra P** Analysis of cardiovascular morbidity and mortality at the Reina Sofía Clinic 1995-1998. Médica Sánitas 1999; 2: 9-12: [https://www.researchgate.net/profile/Pedro-Ibarra-4/publication/313609117 Analisis de morbi mortalidad cardiovascular en la Clinica Reina Sofia 1995-1998/links/589fb38aa6fdccf5e96d356f/Analisis-de-morbimortalidad-cardiovascular-en-la-Clinica-Reina-Sofia-1995-1998.pdf? tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmXPY2F0aW9uIiwicGFfNiZSI6InB1YmXPY2F0aW9uLn19](https://www.researchgate.net/profile/Pedro-Ibarra-4/publication/313609117_Analisis_de_morbimortalidad_cardiovascular_en_la_Clinica_Reina_Sofia_1995-1998/links/589fb38aa6fdccf5e96d356f/Analisis-de-morbimortalidad-cardiovascular-en-la-Clinica-Reina-Sofia-1995-1998.pdf?_tp=eyJlb250ZXh0ljp7ImZpcnN0UGFnZSI6InB1YmXPY2F0aW9uIiwicGFfNiZSI6InB1YmXPY2F0aW9uLn19)
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[https://www.researchgate.net/publication/313609455_EVALUACION_PREOPERATORIA DEL CARDIOPATA EVALUACION PREOPERATORIA DEL PACIENTE CARDIOPATA PARA CIRUGIA NO CA RDIACA QUE EXAMENES PEDIR](https://www.researchgate.net/publication/313609455_EVALUACION_PREOPERATORIA_DEL_CARDIOPATA_EVALUACION_PREOPERATORIA DEL PACIENTE CARDIOPATA PARA CIRUGIA NO CARDIACA QUE EXAMENES PEDIR)

16. **Ibarra P** Which pre-anesthetic laboratories are needed in healthy patients? Venezuelan Journal of Anesthesiology. Rev Ven Anest 2002; 7:166-70
https://www.researchgate.net/publication/313609248_CUALES_EXAMENES_DE_LABORATORIO_PREANESTESICOS_SE_NECESITAN_EN_PACIENTES_SANOS_PROTOCOLO_DEL_DEPARTAMENTO_DE_ANESTESIOLOGIA_DE_LA_CLINICA_REINA_SOFIA_in_Revista_Venezolana_de_Anesthesiologia?_t_p=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InB1YmxpY2F0aW9uIiwicGFnZSI6InByb2ZpbGUuLCJwb3NpdGlvbil6InBhZ2VDb250ZW50In19
17. **Ibarra P** What's new in Trauma 2002? Venezuelan Journal of Anesthesiology 2002; 7:247-52
https://www.researchgate.net/publication/313609119_Actualizacion_en_Trauma_2002
18. **Ibarra P** Which pre-anesthetic laboratories are needed in asymptomatic patients? Analysis of the Protocol of the Department of Anesthesiology of the Reina Sofía Clinic. Rev Col Anestesiología 2004; 32: 11-17: <https://www.redalyc.org/pdf/1951/195117833001.pdf>
19. **Ibarra P** Hypercarbia secondary to subcutaneous emphysema in a patient undergoing laparoscopic cholecystectomy. Rev Col Anestesiología 2004; 32 288
<https://www.redalyc.org/articulo.oa?id=195118230009>
20. **Ibarra P** Prevention of secondary injury in cranial trauma. Rev Col Anestesiología 2005; 33: 259-268:
<http://www.scielo.org.co/pdf/rca/v33n4/v33n4a06.pdf>
21. **Ibarra P** Which pre-anesthetic laboratories are needed in asymptomatic patients? Update of the Protocol of the Department of Anesthesiology of the Reina Sofía Clinic. Rev Col Anestesiología 2007; 35: 301-312 <http://www.scielo.org.co/pdf/rca/v35n4/v35n4a07.pdf>
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4. **Ibarra P** Cost Effectiveness of preanesthetic testing protocols in patients without comorbidities, 13th World Congress of Anaesthesia. Paris, 2004, pp CD199:
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5. **Ibarra P** Impact of preanesthetic testing protocols on test ordering at a PAC 63rd Postgraduate Assembly of Anesthesiology. New York 2009
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1. **Pembroke L, Ibarra P** Reduced cardiac testing by a preanesthetic assessment clinic does nor increase cardiac morbidity, Anesthesiology News, 1999, pp 22-23:

EDUCATIONAL WEBSITE

1. **Ibarra P** Cardiovascular Physiology page on the Department of Physiological Sciences of Pontificia Universidad Javeriana Medical School website, 2002:
<https://web.archive.org/web/20040805102017/https://med.javeriana.edu.co/fisiologia/ibarracv/index.htm>

LECTURER AT SCIENTIFIC MEETINGS

1. Anesthesia for preeclamptic patients @ Academic Meeting of Anesthesiology Clinic Palermo February 14, 1990
2. Vascular physiology @ Refresher Course in Vascular Surgery Bogotá April 26-27, 1991
3. Obesity and Anesthesia @ Annual Course of the Cundinamarca Society of Anesthesiology Bogotá April 26-27, 1991

4. Transplacental drug transfer @ Quindian Society of Anesthesiology Course in Armenia Anesthesiology May 17-18, 1991
5. Hemodynamic monitoring @ Pre-Congress XXI Colombian Congress of Anesthesiology SCARE, Manizales August 15-18, 1991
6. Physiology of coronary blood flow @ XXI Colombian Congress of Anesthesiology SCARE, Manizales August 15-18, 1991
7. Invasive and non-invasive monitoring: indications @ Anesthesiology Seminar Workshop, San Pedro Claver Clinic, November 1 and 2, 1991
8. Clinical Use of Pulse-Oximetry @ Pulse-oximetry symposium Cali January 31, 1992
9. Ventriculovascular coupling @ Annual Course of the Cundinamarca Society of Anesthesiology, Bogotá, March 5-7, 1992
10. Minimum requirements for administering anesthesia @ II Symposium on Safety and Anesthesiology, Bogotá, April 3-4, 1992
11. Invasive monitoring @ II Symposium on Anesthesia and Pain Management, Central Police Hospital, Bogotá, July 3 and 4, 1992
12. Oxygen transport @ Risaralda Society of Anesthesiology Course of Anesthesia Pereira July 31 August 1 1992
13. Coronary blood flow @ ASMEDAS Congress May 8-9, 1992
14. Rational use of blood products @ Risaralda Society of Anesthesiology Course of Anesthesia Pereira July 31 August 1 1992
15. Obstetric anesthesia for high-risk patients @ Obstetric Anesthesia Symposium Cali April 23 and 24, 1993
16. Principles of Cardiac Physiology: Anesthesia and Ventricle-Artery Coupling @ Pre-Congress Course Latin American Congress of Anesthesiology and XXII Colombian Congress of Anesthesiology SCARE, Bogotá August 11-14 1993
17. Cardiovascular hemodynamic interventions to improve DO_2 @ Pre-Congress Course Latin American Congress of Anesthesiology and XXII Colombian Congress of Anesthesiology SCARE, Bogotá August 11-14 1993
18. Roundtable Moderator: Management in routine practice of patients at high cardiovascular risk @ Pre-Congress Course Latin American Congress of Anesthesiology and XXII Colombian Congress of Anesthesiology SCARE, Bogotá August 11-14 1993
19. Combined use of epidural-general anesthesia @ Latin American Congress of Anesthesiology and XXII Colombian Congress of Anesthesiology SCARE, SCARE, Bogotá, August 11-14, 1993
20. Use of colloids in patients in shock @ Monthly meeting of the Cundinamarca Society of Anesthesiology May 5, 1994
21. Resuscitation of patients at the San Pedro Claver Clinic @ Cundinamarca Society of Anesthesia Annual Course: How do you do it? June 23-25, 1994
22. Cardiovascular Effects of Epidural Anesthesia @ I Annual Course of Regional Anaesthesia of the Reina Sofia Clinic September 30, 1994
23. Hemodynamic modifications related to endotracheal intubation, @ II Annual Course Clínica Reina Sofia Management of the Difficult Airway, Bogotá, April 27-29, 1995
24. Trauma, Anesthesia, and Critical Care @ Symposium on Surgery and Critical Care at the Hospital Universitario del Valle, Cali, March 6-7, 1997

25. Mechanical ventilation in patients with severe ARDS @ Symposium on Surgery and Critical Care at the University Hospital of Valle Cali, March 6-7, 1997
26. Impact of monitoring on anesthetic morbidity @ IV Annual Anesthesiology Course at the Reina Sofia Clinic, Bogotá, March 21-22, 1997
27. Update of the protocol for the pre-anesthetic evaluation of cardiac and non-cardiac patients Clínica Reina Sofia @ CRS Bogotá Monthly Meeting August 1997
28. Optimizing mechanical ventilation @ Valle del Cauca Anesthesia Society Annual meeting SARVAC 1997
29. Trauma Resuscitation @ XV Colombian Congress of Anesthesiology SCARE, Santa Marta, 15-17 August 1997
30. Pre-Anesthetic Evaluation in Orthopedic Patients @ COLSANITAS Annual Orthopedics Course, Bogotá, September 5-6, 1997
31. Oral Póster presentation: Cost-Benefit Analysis of a Preanesthetic Assessment Clinic @ 72nd International Anesthesia Research Society Congress in Orlando, Florida March 1998
32. Management and evaluation of cardiac arrest in children @ V Annual Anesthesiology Course, Reina Sofia Clinic, April 1998
33. Pre-Symposium Course: Basic Cardiopulmonary Resuscitation and Non-Surgical Airway Management @ Annual Course of the Colombian Association of Emergency Physicians Bogotá, June 10, 1998
34. Internet applied to anesthesiology @ Monthly Conference of the Cundinamarca Society of Anesthesiology, June 1998
35. Rational use of blood products in orthopedics @ COLSANITAS Annual Orthopedics Course, Bogotá, September 5-6, 1997
36. Keynote Speaker: Cardiac assessment for non cardiac surgery @ Consensus Meeting for Preoperative Evaluation for Cardiac Patients in Non-Cardiac Surgery Colombian Association of Internal Medicine, Colombian Society of Cardiology and Cundinamarca Society of Anesthesiology September 23, 1998
37. What is the scene of plasma substitutes @ SNARE Course, Cucuta October 30-31, 1998
38. How to clear the cervical spine in a trauma? @ SNARE Course, Cucuta October 30-31, 1998
39. How to care for a difficult airway in trauma? @ SNARE Course, Cucuta October 30-31, 1998
40. Poster Presentation: Reduced cardiac testing does not increase cardiac morbidity @ 52nd Postgraduate Assembly Congress in New York, December 11-16, 1998
41. Neonatal effects of epidural opioids, @ VI Annual Course on Anesthesia, topic: Obstetrics, Reina Sofia Clinic, March 26-7, 1999
42. Nonsurgical airway management @ Pre-Congress Course of the Annual Congress of the Colombian Association of Emergency Physicians Bogotá, June 10, 1999
43. Which fluid in trauma patients? @ Annual Course of the Colombian Association of Emergency Physicians Bogotá, June 11-12, 1999
44. Current role of the anesthesiologist in the management of trauma @ XVI Colombian Congress of Anesthesiology SCARE, Medellín August 12-16, 1999
45. What is the endpoint in trauma resuscitation? @ XVI Colombian Congress of Anesthesiology SCARE, Medellín August 12-16, 1999
46. Evidence-Based Preoperative Evaluation @ XVI Colombian Congress of Anesthesiology SCARE, Medellín August 12-16, 1999
47. Internet & Anesthesia, Conference and Workshop @ Regional Event, SARVAC, Cali, October 16, 1999
48. Presurgical Examinations According to Evidence-Based Medicine @ Regional Event, SARVAC, Cali, October 16, 1999

49. What is the endpoint in trauma resuscitation? @ XXV Latin American Congress of Anesthesiology, Santo Domingo, November 3-6, 1999
50. Current role of the anesthesiologist in the management of trauma @ XXV Latin American Congress of Anesthesiology, Santo Domingo, November 3-6, 1999
51. Anesthesia for Damage Control @ VII Annual Course on Trauma, Reina Sofía Clinic; Bogotá, April 7, 2000
52. What is the endpoint in trauma resuscitation? @ VII Annual Course on Trauma, Reina Sofía Clinic; Bogotá, April 7, 2000
53. Preoperative Evaluation, Cost Benefit @ II National Security Symposium, Bogotá, May 5, 2000
54. Workshop on Medicine-Based Medicine @ Education Seminar, Manizales, August 18 and 19, 2000
55. Current Role of the Anesthesiologist @ Trauma Management In ITACCS Trauma Course, Las Vegas September, 5-8, 2000
56. What is the Endpoint of trauma resuscitation? @ ITACCS Trauma Course, Las Vegas, September 5-8, 2000
57. How to prevent secondary injury in head trauma? @ ITACCS Trauma Course, Las Vegas, September 5-8, 2000
58. Role of the anesthesiologist in trauma management @ XXVII Peruvian Congress of Anesthesiology Lima Peru October 25-28, 2000
59. What is the endpoint in trauma resuscitation? @ XXVII Peruvian Congress of Anesthesiology Lima Peru October 25-28, 2000
60. Pre-anesthetic evaluation @ XXVII Peruvian Congress of Anesthesiology Lima Peru October 25-28, 2000
61. Arrhythmia Management @ Diplomate in Prehospital Care and Emergencies for Doctors, Universidad del Rosario, Bogotá, November 3, 2000
62. Preoperative Evaluation 2001 @ VIII Annual Course on the subject: Internet and Anesthesia Costs, Reina Sofía Clinic; Bogotá, February 2, 2001
63. Hands-on interactive Internet workshop in Anesthesiology @ VIII Annual Course on the subject: Internet and Anesthesia Costs, Reina Sofía Clinic; Bogotá, February 2, 2001
64. Prevention of secondary injury in neurotrauma @ III Neuroscience Course of COLSANITAS, March 2 and 3, 2001
65. Evidence-Based Preoperative Evaluation @ XVII Colombian Congress of Anesthesiology Bogotá, 15-18 March 2001
66. What is the endpoint in trauma resuscitation? @ International Symposium Syrian-Lebanese Hospital Sao Paulo, Brazil, 22-25 March 2001
67. Internet & Anesthesia @ International Symposium Syrian-Lebanese Hospital Sao Paulo, Brazil, 22-25 March 2001
68. Current role of the Anesthesiologist in trauma management @ Trauma International Symposium Syrian-Lebanese Hospital Sao Paulo Brazil, 22-25 March 2001
69. Evidence-Based Preoperative Evaluation @ International Symposium Syrian-Lebanese Hospital Sao Paulo, Brazil, 22-25 March 2001
70. What is the Endpoint of trauma resuscitation? @ ITACCS Trauma Course, New Orleans 3-6 Mayo 2001
71. Anesthesia for Damage Control Surgery @ ITACCS Trauma Course, New Orleans 3-6 Mayo 2001
72. How to prevent secondary injury in head trauma? @ ITACCS Trauma Course, New Orleans 3-6 Mayo 2001

73. Principles and techniques of sedation in endoscopy for outpatient procedures @ Controversies in Digestive Endoscopy: Sedation in the Endoscopy Room, Society of Gastroenterology Bogotá, May 9, 2001
74. Role of the general practitioner in the initial management of trauma @ III COLSANITAS Congress of General Medicine, Bogotá, July 27 and 28, 2001
75. What's New in Initial Trauma Management? @ Colombian Emergency Congress, Bogotá, September 20-22, 2001
76. Current role of the anesthesiologist in trauma care @ ITACCS Netherland Antilles Symposium, September 23-28, 2001
77. What is the endpoint in trauma resuscitation? @ ITACCS Netherland Antilles Symposium, September 23-28, 2001
78. Safe use of anesthetic medications in the emergency department @ ITACCS Netherland Antilles Symposium, September 23-28, 2001
79. Prevention of secondary injury in head trauma @ ITACCS Netherland Antilles Symposium, September 23-28, 2001
80. What's New in Trauma Management? @ Uruguayan Congress of Anesthesiology (Sponsored by the World Federation of Societies of Anesthesia WFSA), Trinidad, Uruguay October 12-14, 2001
81. How to resuscitate trauma patients? @ Uruguayan Congress of Anesthesiology (Sponsored by the World Federation of Societies of Anesthesia), Trinidad, Uruguay October 12-14, 2001
82. Pre-Anesthetic Outpatient Evaluation @ IX Annual Course: Anesthesia for Ambulatory Surgery, Bogotá, March 8 and 9, 2002
83. What is new in the resuscitation of polytraumatized patients? @ LII National Convention of SCARE Delegates, Barranquilla, March 22, 2002
84. Current role of the anesthesiologist in trauma care @ Symposium ITACCS New Orleans, April 25-28, 2002
85. What is the endpoint in trauma resuscitation? @ Symposium ITACCS New Orleans, April 25-28, 2002
86. Safe use of anesthetic medications in the emergency department @ Symposium ITACCS New Orleans, April 25-28, 2002
87. Prevention of secondary injury in head trauma @ Symposium ITACCS New Orleans, April 25-28, 2002
88. Which routine lab tests should I order in the preoperative period? @ White Cross Medical Update Bogota, June 13, 2002-09-05
89. Cost-Rationalized Preoperative Evaluation @ Symposium of the Bolivarian Society of Anesthesiology Cartagena, October 1, 2002
90. What's New in the Management of the Traumatized? @ Venezuelan Congress of Anesthesiology, Mérida November 6-9, 2002
91. Evidence-Based Preoperative Evaluation @ Venezuelan Congress of Anesthesiology, Mérida November 6-9, 2002
92. Internet Resources on Pediatric Anesthesia @ I Colombian Congress of Pediatric Anesthesia, Bogotá November 22-23, 2002
93. Routine tests in pre-anesthetic evaluation @ I Virtual Latin American Congress of Anesthesiology November 1-30, 2002
94. What is the role of the anesthesiologist in the management of the trauma patient? @ VI Colombian Congress of Trauma Cartagena, February 8-10, 2003

95. How to deal with coagulopathy in traumatized patients? @ X Annual Course of the Reina Sofia Clinic: Crisis Management, Bogotá, February 14-15, 2003
96. How to Prevent Secondary Injury? @ XII Anesthesia & Trauma Refresher Course, Universidad Industrial de Santander, Bucaramanga, October 31-November 1st; 2003
97. Which goals should be pursued during resuscitation? @ XII Anesthesia & Trauma Refresher Course, Universidad Industrial de Santander, Bucaramanga, October 31-November 1st; 2003
98. Anesthesia for damage control @ XII Anesthesia & Trauma Refresher Course, Universidad Industrial de Santander, Bucaramanga, October 31-November 1st; 2003
99. What resuscitation objective should be followed in trauma management? @ Joint Annual Course between the Cundinamarca Society of Anesthesiology and the Colombian Society of Anesthesiology, Bogotá, November 6 and 7, 2003
100. Anesthesia Computers and Internet @ XXVII Latin American Congress of Anesthesiology Guatemala, Guatemala November 10-15, 2003
101. Which routine lab tests? @ XXVII Latin American Congress of Anesthesiology Guatemala, Guatemala November 10-15, 2003
102. Workshop: Practical interpretation of the EKG under anesthesia @ XI Annual Course of the Reina Sofia Clinic: Controversies in Anesthesia, Bogotá March 12 and 13, 2004
103. Cardiovascular evaluation of the surgical patient @ XI Annual Course of the Reina Sofia Clinic: Controversies in Anesthesia, Bogotá March 12 and 13, 2004
104. How to Determine Resuscitation Goals @ VII Colombian Congress of Trauma, Cartagena, March 25-28, 2004
105. Cost-Benefit Analysis of Pre-Anesthetic Consultation, Poster Presentation @ XIII World Congress of Anesthesiology, Paris, April 18-24, 2004
106. Role of the Anesthesiologist in trauma @ ITACCS Symposium, St Petersburg, Florida June 17-20, 2004
107. Anesthesia for Damage Control @ ITACCS Symposium, St Petersburg, Florida June 17-20, 2004
108. Airway Management in Trauma @ ITACCS Symposium, St Petersburg, Florida June 17-20, 2004
109. Which Endpoint in Trauma Resuscitation @ ITACCS Symposium, St Petersburg, Florida June 17-20, 2004
110. How to prevent Secondary Injury in TBI, @ V Symposium on Medical Emergencies of the Red Cross, Bogotá, July 30 and 31, 2004
111. How to Prevent Secondary Injury in Head Trauma in Plenary Lecture-Guest Speaker, @ Darío Contreras Trauma Hospital, Santo Domingo, Dominican Republic, October 1, 2004
112. Anesthesia and Computers @ II National Day for Residents, Santo Domingo, Dominican Republic, October 1-2, 2004
113. How to monitor Resuscitation in the Traumatized @ II National Day for Residents, Santo Domingo, Dominican Republic, October 1-2, 2004
114. Anesthesia for damage control, @ II National Day for Residents, Santo Domingo, Dominican Republic, October 1-2, 2004
115. Role of the anesthesiologist in trauma management @ II National Day for Residents, Santo Domingo, Dominican Republic, October 1-2, 2004
116. Experiences in the use of computer tools in the teaching of physiology @ I National Congress of Physiology, Bogotá, November 4-6, 2004
117. Moderator: Round table: New methods of Monitoring, @ Annual Anesthesia Update Course for High Complexity Procedures, Bogotá, November 5-6, 2004

118. Is it dangerous not to order laboratory tests in the asymptomatic patient? @ III Virtual Mexican Congress of Anesthesiology, www.congresovirtual.com, November 1-December 15, 2004
119. How to monitor resuscitation, @ El Tunal Hospital Course, Critical Patient Monitoring, Bogotá, November 19, 2004
120. Usefulness of systemic intra-arterial monitoring, @ El Tunal Hospital Course, Critical Patient Monitoring, Bogotá, November 19, 2004
121. Computers and Computing @ XVII Venezuelan Congress of Anesthesiology, Puerto La Cruz, Venezuela, November 24-7, 2004
122. Anesthetic Aspects of Damage Control Surgery @ XVII Venezuelan Congress of Anesthesiology, Puerto La Cruz, Venezuela, November 24-7, 2004
123. Monitoring resuscitation in the trauma patient @ XVII Venezuelan Congress of Anesthesiology, Puerto La Cruz, Venezuela, November 24-7, 2004
124. Are we using too many perioperative fluids? @ XII Annual Course of the Reina Sofía Clinic: Update
125. Resuscitation of the traumatized patient @ XXVI Colombian Congress of Anesthesiology SCARE, Bogotá, March 17-20, 2005
126. Damage control from the anesthesiologist's perspective @ XXVI Colombian Congress of Anesthesiology SCARE, Bogotá, March 17-20, 2005
127. Anesthesia for damage control @ ITACCS Symposium Miami, Florida April 7-10, 2005
128. Rational use of blood products @ ITACCS Symposium Miami, Florida April 7-10, 2005
129. Monitoring in the trauma patient @ ITACCS Symposium Miami, Florida April 7-10, 2005
130. What is the endpoint in trauma resuscitation? @ ITACCS Symposium Miami, Florida April 7-10, 2005
131. Prevention of secondary injury in head trauma @ ITACCS Symposium Miami, Florida April 7-10, 2005
132. Current role of the anesthesiologist in trauma management @ ITACCS Symposium Miami, Florida April 7-10, 2005
133. Using Blood Pressure Curves for Monitoring @ Congress of the Colombian Association of Critical Medicine, Bogotá April 27-30
134. Informatics and Anesthesia @ III Jorge Aldrete Anesthesia Conference, Guayaquil, Ecuador, May 27 and 28, 2005
135. Pre-anesthetic evaluation - what tests are required in asymptomatic patients? @ III Jorge Aldrete Anesthesia Conference, Guayaquil, Ecuador, May 27 and 28, 2005
136. Evaluation of the heart disease patient - How to minimize cardiac mortality? @ III Jorge Aldrete Anesthesia Conference, Guayaquil, Ecuador, May 27 and 28, 2005
137. How to titrate the resuscitation of the severely traumatized patient? @ III Jorge Aldrete Anesthesia Conference, Guayaquil, Ecuador, May 27 and 28, 2005
138. Pre-anesthetic laboratory tests @ Monthly Activity of the Cundinamarca Society of Anesthesiology, Bogotá, May 31, 2005
139. Computing and security @ Safety Course of the Colombian Society of Anesthesiology, Bogotá, June 10-11, 2005
140. Is it dangerous not to order routine lab tests? @ Safety Course of the Colombian Society of Anesthesiology, Bogotá, June 10-11, 2005
141. Which routine preoperative tests are needed for ENT Procedures? @ Annual Course of ENT Organización Sanitas, Bogotá, June 17-18, 2005
142. Airway Management @ VIII ASOMED Congress, Santa Marta, July 1-3, 2005
143. Informatics and Medicine @ VIII ASOMED Congress, Santa Marta, July 1-3, 2005

144. Approach to the hemodynamically unstable patient in the Emergency Department: When to run? @ VIII ASOMED Congress, Santa Marta, July 1-3, 2005
145. Plenary Session: Fluid management in trauma @ Australian Society of Anaesthesiology Annual Congress, Gold Coast, Australia, September 24-27, 2005
146. What is the endpoint in trauma resuscitation? @ Australian Society of Anaesthesiology Annual Congress, Gold Coast, Australia, September 24-27, 2005
147. Day surgery for patients with coronary artery disease @ Australian Society of Anaesthesiology Annual Congress, Gold Coast, Australia, September 24-27, 2005
148. Anesthesia in Latin América an overview @ Australian Society of Anaesthesiology Annual Congress, Gold Coast, Australia, September 24-27, 2005
149. Prevention of secondary injury @ XXVIII Latin American Congress of Anesthesiology, Tegucigalpa, Honduras, October 4-8, 2005
150. Are CVP or PCWP useful? @ XXVIII Latin American Congress of Anesthesiology, Tegucigalpa, Honduras, October 4-8, 2005
151. Resuscitation of the traumatized patient @ XXVIII Latin American Congress of Anesthesiology, Tegucigalpa, Honduras, October 4-8, 2005
152. New concepts in the resuscitation of the traumatized @ Guest Lecturer at Universidad de la Sabana, Bogotá, November 1st, 2005
153. Airway management by the non-anesthesiologist @ Emergency Physician Update, January 17, 2006
154. Which is the endpoint in resuscitation? @ ITACCS Symposium in Panama, Panama, February 12-17, 2006
155. Current role of anesthesia in resuscitation @ ITACCS Symposium in Panama, Panama, February 12-17, 2006
156. Rational approach to use blood products @ ITACCS Symposium in Panama, Panama, February 12-17, 2006
157. Moderator Roundtable: Fluid Restriction, Evidence in Favor, and Issues @ XIII Annual Course of the Reina Sofia Clinic, Bogotá, March 31-April 1, 2006
158. Preventing secondary injury in the ECT: what's new? @ XIII Annual Course of the Reina Sofia Clinic, Bogotá, March 31-April 1, 2006
159. Role of the anesthesiologist in trauma management @ ITACCS Symposium, Panama, Panama May 19-21, 2006
160. Fluid management in the traumatized, a new vision @ ITACCS Symposium, Panama, Panama May 19-21, 2006
161. How far to resuscitate the traumatized? @ ITACCS Symposium, Panama, Panama May 19-21, 2006
162. Practical approach to pre-anesthetic evaluation of the heart disease patient @ Updates Postgraduate Anesthesia, FUS, Bogotá, July 25, 2006
163. Roundtable Participant: Perioperative Fluids, @ Monthly activity of the Cundinamarca Society of Anesthesiology, August 31, 2006
164. Fluids in trauma: rethinking paradigms @ II Meeting of Anesthesiology, Nacienceno Valencia, SADEA, Medellín September 1 and 2, 2006
165. Monitoring of volume in trauma patients @ II Meeting of Anesthesiology, Nacienceno Valencia, SADEA, Medellín September 1 and 2, 2006
166. Routine Pre-Anesthetic Labs @ II Meeting of Anesthesiology, Nacienceno Valencia, SADEA, Medellín September 1 and 2, 2006

167. Fluids in resuscitation: high versus low volumes @ Round Table of the Cundinamarca Society of Anesthesiology, Bogotá, September 21, 2006
168. Updated Approach to Volume Monitoring @ Trauma Care (ITACCS World Congress) Santiago Chile, September 27-29, 2006
169. Volume Replenishment @ Trauma Care (ITACCS World Congress) Santiago Chile, September 27-29, 2006
170. Resuscitation of the Traumatized Patient: Is it time to change the traditional scheme? @ IV Virtual Congress of Anesthesiology, Mexico, October 1-31, 2006
171. Prevention of secondary injury @ VII Central American and Caribbean Congress FESACAC (Federation of Anesthesiology Societies of Central America and the Caribbean), Bocachica, Dominican Republic, November 7-11, 2006
172. As headline: the resuscitation of the traumatized @ VII Central American and Caribbean Congress FESACAC (Federation of Anesthesiology Societies of Central America and the Caribbean), Bocachica, Dominican Republic, November 7-11, 2006
173. Pre-anesthetic evaluation, what tests, what inter-consultations are needed? @ VII Central American and Caribbean Congress FESACAC (Federation of Anesthesiology Societies of Central America and the Caribbean), Bocachica, Dominican Republic, November 7-11, 2006
174. Rational use of blood products @ VII Central American and Caribbean Congress FESACAC (Federation of Anesthesiology Societies of Central America and the Caribbean), Bocachica, Dominican Republic, November 7-11, 2006
175. Evaluation of the heart disease: a practical approach @ VII Central American and Caribbean Congress FESACAC (Federation of Anesthesiology Societies of Central America and the Caribbean), Bocachica, Dominican Republic, November 7-11, 2006
176. Intravenous fluid therapy in major gastrointestinal surgery @ Annual Course of the Cundinamarca Society of Anesthesiology, Bogotá, November 10-11
177. Is a proposal to do Perioperative Medicine viable? @ XIV Annual Course of the Reina Sofia Clinic, Bogotá, February 23 and 24, 2007
178. Debate: Is evaluation by internists indispensable? Can it be replaced by Anesthesiology? @ XIV Annual Course of the Reina Sofia Clinic, Bogotá, February 23 and 24, 2007
179. Prevention of Secondary head injury @ II International Symposium of Neurosciences in Colsanitas, March 2-3, 2007
180. What should be routine pre-anesthetic laboratories? @ Congress of the Anesthesiology Society of Pichincha, Quito, Ecuador March 22-24, 2007
181. Evaluation of Heart Disease for Non-Cardiac Surgery @ Congress of the Anesthesiology Society of Pichincha, Quito, Ecuador March 22-24, 2007
182. Perioperative fluid management @ Congress of the Anesthesiology Society of Pichincha, Quito, Ecuador March 22-24, 2007
183. Round Table: Quality: from theory to practice @ Congress of the Anesthesiology Society of Pichincha, Quito, Ecuador March 22-24, 2007
184. What is perioperative medicine? Is it viable in our countries? @ Congress of the Anesthesiology Society of Pichincha, Quito, Ecuador March 22-24, 2007
185. Rational Use of Blood Products in Trauma @ Congress of the Anesthesiology Society of Pichincha, Quito, Ecuador March 22-24, 2007

186. Anesthesia for damage control @ Trauma Care (ITACCS World Congress) Las Vegas, USA, May 14-16, 2007
187. Anesthesia for damage control @ ITACCS Symposium June 23-30, 2007, Alaska Cruise
188. Monitoring of the trauma patient @ ITACCS Symposium June 23-30, 2007, Alaska Cruise
189. Fluid resuscitation in the trauma patient @ ITACCS Symposium June 23-30, 2007, Alaska Cruise
190. Monitoring volume status @ ITACCS Symposium June 23-30, 2007, Alaska Cruise
191. Airway management of the trauma patient @ ITACCS Symposium June 23-30, 2007, Alaska Cruise
192. Anesthetic medications in the Emergency room @ ITACCS Symposium June 23-30, 2007, Alaska Cruise
193. Rational use of blood products in trauma patients @ ITACCS Symposium June 23-30, 2007, Alaska Cruise
194. Minimizing secondary brain injury @ ITACCS Symposium June 23-30, 2007, Alaska Cruise
195. Evaluation of the Heart Disease for Non-Cardiac Surgery @ Peruvian Congress of Anesthesiology, November 1-4, 2007, Lima Peru
196. Informatics for the Anesthesiologist @ Peruvian Congress of Anesthesiology, November 1-4, 2007, Lima Peru
197. How to titrate resuscitation? @ Peruvian Congress of Anesthesiology, November 1-4, 2007, Lima Peru
198. Prevention of secondary injury in cranial trauma @ XIII Peruvian Congress of Anesthesiology, November 1-4, 2007, Lima Peru
199. What is perioperative medicine, is it viable in our countries? @ XIII Peruvian Congress of Anesthesiology, November 1-4, 2007, Lima Peru
200. Volume monitoring @ XXIX Latin American Congress of Anesthesiology, XLI Mexican Congress of Anesthesiology and IV Ibero-Latin American Congress of Anesthesiology, November 20-24, 2007, Cancun, Mexico
201. Prevention of secondary injury @ XXIX Latin American Congress of Anesthesiology, XLI Mexican Congress of Anesthesiology and IV Ibero-Latin American Congress of Anesthesiology, November 20-24, 2007, Cancun, Mexico
202. Panel discussion: World Education Forum @ XXIX Latin American Congress of Anesthesiology, XLI Mexican Congress of Anesthesiology and IV Ibero-Latin American Congress of Anesthesiology, November 20-24, 2007, Cancun, Mexico
203. Harold Griffith Symposium Lecture: Anesthesia fellowships of the WFSA: the way forward @ XIV World Congress of Anaesthesiologists (WFSA) Marzo 1-6, 2008 in Cape Town, South Africa
204. Pre-Anesthetic Evaluation: Routine Labs @ XIV World Congress of Anesthesiologists (WFSA) Marzo 1-6, 2008 in Cape Town, South Africa
205. Management of local anesthetic toxicity @ XV Annual Course of the Reina Sofia Clinic, March 14 and 15, 2008, Bogotá
206. Case report: Management of massive postpartum hemorrhage: a contemporary approach @ Meeting of the Department of Anesthesiology at Colsánitas Clinics, September 15, 2008
207. Evaluation of the Heart Disease for Non-Cardiac Surgery @ International Conference on Anesthesia Education Dr. Antonio Aldrete, Guayaquil Ecuador, November 6-8, 2008
208. Prevention of secondary injury in head trauma @ International Conference on Anesthesia Education Dr. Antonio Aldrete, Guayaquil Ecuador, November 6-8, 2008
209. Rational Use of Fluids and Blood Products in Trauma @ International Conference on Anesthesia Education Dr. Antonio Aldrete, Guayaquil Ecuador, November 6-8, 2008

210. Which routine tests are needed? @ International Conference on Anesthesia Education Dr. Antonio Aldrete, Guayaquil Ecuador, November 6-8, 2008
211. Moderator Round Table: "Perioperative Management Cases" @ International Conference on Anesthesia Education Dr. Antonio Aldrete, Guayaquil Ecuador, November 6-8, 2008
212. Which fluids in trauma? How to manage blood products in trauma? @ Peruvian Congress of Anesthesiology, Lima, Peru November 14-16, 2008
213. Use of Beta Blockers to Reduce Perioperative Infarctions @ Peruvian Congress of Anesthesiology, Lima, Peru November 14-16, 2008
214. Monitoring of the traumatized, what is the rationale for monitoring SvO2 @ Peruvian Congress of Anesthesiology, Lima, Peru November 14-16, 2008
215. How to Manage Local Anesthetic Toxicity ? @ Peruvian Congress of Anesthesiology, Lima, Peru November 14-16, 2008
216. Heart disease assessment: myths and legends @ Peruvian Congress of Anesthesiology, Lima, Peru November 14-16, 2008
217. Roundtable: Evaluation of the Heart Disease for Non-Cardiac Surgery @ Peruvian Congress of Anesthesiology, Lima, Peru November 14-16, 2008
218. Fellowships @ XVI Annual Course of the Reina Sofia Clinic, February 6 and 7, 2009, Bogotá
219. Unisánitas Perioperative Medicine Postgraduate Presentation @ Meeting of the Department of Anesthesiology at Colsánitas Clinics, February 23, 2009
220. Fluid resuscitation @ XXVII Colombian Congress of Anesthesiology SCARE, Bogotá, March 19-22, 2009
221. Moderator of the Round Table: "Proposal of Recommendations for Security @ XXVII Colombian Congress of Anesthesiology SCARE, Bogotá, March 19-22, 2009
222. Minimum Safety Standards version 2009 @ XXVII Colombian Congress of Anesthesiology SCARE, Bogotá, March 19-22, 2009
223. Perioperative fluid management @ Academic Meeting of the Department of Anesthesiology at Clínicas Colsánitas, April 20, 2009
224. Management of Major Hemorrhage and Coagulopathy in Evidence-Based Trauma @ Antioquia Society of Anesthesiology Forum, Medellín May 30, 2009
225. Perioperative fluid management, update @ Meeting of the Department of Clinical Anesthesiology of Country Clinic, July 2, 2009
226. Clinical case: massive pulmonary thromboembolism in trauma with multiple myeloma @ Meeting of the Department of Anesthesiology at Clínicas Colsánitas, July 13, 2009, Bogotá
227. Physiology-Based Management of Perioperative Fluids @ Vallecaucana Society of Anesthesiology Monthly Meeting, Cali, September 23, 2009
228. Impact of Continuing Medical Education on the Practice of Anesthesiology @ meeting of the Department of Anesthesiology at Clínicas Colsánitas, October 5, 2009, Bogotá
229. Perioperative fluid management, update @ Meeting of the Department of Clinical Anesthesiology of Marly, October 14, 2009, Bogotá
230. Clinical case: management of patients with acute atrial flutter for semi-elective surgery @ Meeting of the Department of Anesthesiology at Colsánitas Clinics, October 26, 2009
231. Pre-anesthetic evaluation: protocol of pre-anesthetic studies of Clínicas Colsánitas, @ SARVAC Meeting November 17, 2009, Cali
232. Fluid use @ XXX CLASA Congress November 24-28, 2009, Managua Nicaragua

233. Preventing Secondary Injury @ XXX CLASA Congress November 24-28, 2009, Managua Nicaragua
234. Blood Volume Monitoring in 2010 @ Meeting of the Department of Anesthesiology at Clínicas Colsánitas, March 8, 2010
235. Hemodynamic monitoring: a synthesis of the available methods @ XVII Annual Course of the Reina Sofia Clinic, March 25-27, 2010, Bogotá
236. Ultrasound vascular access workshop @ 1st Latin American Course on Transesophageal Echocardiography and Ultrasound, Bogotá, May 23 to 25, 2010
237. Physiological approach to the use of perioperative fluids @ SADEA Monthly Meeting, Medellín, June 3, 2010
238. Educational Methods in "Quality Standards of a Postgraduate Program in Anesthesiology and Resuscitation in Colombia @ SCARE Postgraduate Education Symposium Medellín, June 5 and 6, 2010
239. Physiological approach to the use of perioperative fluids @ SCA Monthly Meeting, Bogota, July 28, 2010
240. Transfusions in 2010 @ IX Central American and Caribbean Congress of Anesthesia, FESACAC 2010, Antigua Guatemala, Guatemala, September 22 to 25, 2010
241. Prevention of secondary injury in Head Trauma @ IX Central American and Caribbean Congress of Anesthesia, FESACAC 2010, Antigua Guatemala, Guatemala, September 22 to 25, 2010
242. Hypotensive resuscitation: a controversial concept @ IX Central American and Caribbean Congress of Anesthesia, FESACAC 2010, Antigua Guatemala, Guatemala, September 22 to 25, 2010
243. Moderator Roundtable: Fluids in Trauma @ IX Central American and Caribbean Congress of Anesthesia, FESACAC 2010, Antigua Guatemala, Guatemala, September 22 to 25, 2010
244. Instructor at Ultrasound vascular access workshop @ Nacienceno Valencia Symposium 2010, Medellín, October 7 to 9, 2010
245. Would you use Controlled Hypotension in an elderly patient for Hip Surgery? Institutional experience @ Nacienceno Valencia Symposium 2010, Medellín, October 7 to 9, 2010
246. Which fluid therapy do you use? Crystalloids/Colloids - Liberal/Restrictive? - How to stabilize a patient in surgery @ Nacienceno Valencia Symposium 2010, Medellín, October 7 to 9, 2010
247. How to improve results in TBI? @ VII National Congress of Anesthesiology, Honduran Society of Anesthesiology (SHARD) Tegucigalpa, Honduras, October 7 to 9, 2010
248. How to monitor your volume @ VII National Congress of Anesthesiology, Honduran Society of Anesthesiology (SHARD) Tegucigalpa, Honduras, October 7 to 9, 2010
249. Hypotensive resuscitation: a controversial concept @ VII National Congress of Anesthesiology, Honduran Society of Anesthesiology (SHARD) Tegucigalpa, Honduras, October 7 to 9, 2010
250. Moderator Round table: management of the traumatized @ VII National Congress of Anesthesiology, Honduran Society of Anesthesiology (SHARD) Tegucigalpa, Honduras, October 7 to 9, 2010
251. Which patients can we improve with our anesthesiology practice? @ XVIII Annual Course Colsánitas Clinics, Bogotá, February 3 to 5, 2011
252. Fluid Management in Major Abdominal Surgery (Fluids workshop) @ XXIX Colombian Congress of Anesthesiology SCARE, Medellín, March 17 to 20, 2011
253. Use of blood products @ XXIX Colombian Congress of Anesthesiology SCARE, Medellín, March 17 to 20, 2011
254. Volume monitoring @ XXIX Colombian Congress of Anesthesiology SCARE, Medellín, March 17 to 20, 2011

255. What is the impact of the changes in Minimal Standards for anesthesia practice in Colombia? @ XXIX Colombian Congress of Anesthesiology SCARE, Medellín, March 17 to 20, 2011
256. Presentation of the Security Consensus @ XXIX Colombian Congress of Anesthesiology SCARE, Medellín, March 17 to 20, 2011
257. Presentation of the draft Recommendations for Sedation by non-Anesthesiologists @ XXIX Colombian Congress of Anesthesiology SCARE, Medellín, March 17 to 20, 2011
258. Is perioperative medicine viable in Latin America? @ XII International Conference on Regional Anesthesia LASRA Uruguay and I Uruguayan Gaucho Conference SAU-SARGs, Montevideo April 2-6, 2011
259. How to Transfuse @ XII International Conference on Regional Anesthesia LASRA Uruguay and I Uruguayan Gaucho Conference SAU-SARGs, Montevideo April 2-6, 2011
260. Round Table: Transfusion Medicine @ XII International Conference on Regional Anesthesia LASRA Uruguay and I Uruguayan Gaucho Conference SAU-SARGs, Montevideo April 2-6, 2011
261. Moderator Round table: The vascular patient and anesthesia @ XII International Conference on Regional Anesthesia LASRA Uruguay and I Uruguayan Gaucho Conference SAU-SARGs, Montevideo April 2-6, 2011
262. Practical cardiovascular monitoring @ Scientific Activity, Department of Anesthesia Clinics Colsánitas, Bogotá, September 12, 2011
263. How to transfuse in 2011? @ XLV Mexican Congress of Anesthesiology 14-17, Guadalajara, September 2011
264. What is the reality of quality in anesthesia in Latin America? @ XLV Mexican Congress of Anesthesiology 14-17, Guadalajara, September 2011
265. How to monitor the volume? @ XX UIS Residents Symposium, Bucaramanga, September 1 and 2, 2011
266. Colombian Society of Anesthesia (SCARE) Outcome Registry initiative @ Foro ASA Quality Institute, Anesthesiology 2011, Chicago October 15-19, 2011
267. How to manage fluids in trauma? @ XXXI Latin American Congress of Anesthesiology, Panama 24-27 October 2011
268. What is the physiological approach to fluids? @ Anesthesiology Course, 50 years Postgraduate University of Caldas, Manizales 18-19 November 2011
269. Moderator Roundtable: How to Implement a Perioperative Beta Block Clinic @ XIX Annual Course of Colsánitas Clinics, Bogotá, February 2 to 4, 2012
270. Sedation Consensus by Non-Anesthesiologists @ XIX Annual Course of Colsánitas Clinics, Bogotá, February 2 to 4, 2012
271. What is the rationale for monitoring SvO₂? @ XXXIII Annual Meeting of the Association of Anesthesiologists of Jalisco, Guadalajara, February 9-11, 2012
272. Perioperative beta blockers: when and when not? @ XXXIII Annual Meeting of the Association of Anesthesiologists of Jalisco, Guadalajara, February 9-11, 2012
273. Evaluation of the Heart Disease Patient: Myths and Legends @ XXXIII Annual Meeting of the Association of Anesthesiologists of Jalisco, Guadalajara, February 9-11, 2012
274. Minimum Safety Standards @ V Biennial of Anesthesia of Anestestecoop, Armenia February 17 and 18, 2012
275. Educational issues in Latin América @ XV World Congress of Anaesthesia (WCA), Buenos Aires, March 25-31, 2012

276. Anesthesia for laryngeal surgery. @ Larynx Symposium University Foundation of Health Sciences (FUCS) Bogotá, May 5, 2012
277. Rational Use of Fluids @ Monthly Meeting of the Northern Santander Society of Anesthesiology, Cúcuta, May 31, 2012
278. Presentation of SCARE Sedation Consensus. @ SADEA Monthly Meeting, Medellín July 25, 2012
279. Pre-surgical testing @ XXI Symposium of Residents of the UIS Bucaramanga, August 31-September 1, 2012
280. Presentation of Registry Systems and Adverse Events @ International Registry Forum, at the ASA Meeting 2012, Washington, October 12-17, 2012
281. Anemia or transfusion: which carries more risk? @ XXI Venezuelan Congress of Anesthesiology, Valencia, Venezuela, November 6-9, 2012
282. Fluids in major surgery @ XXI Venezuelan Congress of Anesthesiology, Valencia, Venezuela, November 6-9, 2012
283. Dynamic methods for titration of volume. @ XXI Venezuelan Congress of Anesthesiology, Valencia, Venezuela, November 6-9, 2012
284. Variations in stroke volume in the prediction of response to I.V. fluids @ XXI Venezuelan Congress of Anesthesiology, Valencia, Venezuela, November 6-9, 2012
285. Moderator Roundtable: What should be the future of perioperative registries? @ XX Annual Course of Colsánitas Clinics, Bogotá, February 7 to 9, 2013
286. Moderator Round table: Can fluids be a harmful intervention, how do they affect the favorable outcome? @ XX Annual Course of Colsánitas Clinics, Bogotá, February 7 to 9, 2013
287. What is the fluid scheme at Clínica Colsánitas? @ XX Annual Course of Colsánitas Clinics, Bogotá, February 7 to 9, 2013
288. SIRUMA Project Presentation: Universal Registry System for Anesthetic Management @ XXX Colombian Congress of Anesthesiology SCARE, Cartagena Colombia, May 7-12, 2013
289. How much do you know about minimum standards? @ XXX Colombian Congress of Anesthesiology SCARE, Cartagena Colombia, May 7-12, 2013
290. Clinical cases: medico-legal lawsuits @ Anesthesiology Conference, Sucre, Bolivia, August 22-24, 2013
291. Does anesthesia have an impact on outcomes? @ Anesthesiology Conference, Sucre, Bolivia, August 22-24, 2013
292. How to improve the impact of continuing medical education? @ Anesthesiology Conference, Sucre, Bolivia, August 22-24, 2013
293. What is perioperative medicine? @ Anesthesiology Conference, Sucre, Bolivia, August 22-24, 2013
294. Rational transfusion @ Anesthesiology Conference, Sucre, Bolivia, August 22-24, 2013
295. Do colloids have a role in resuscitation? @ Anesthesiology Conference, Sucre, Bolivia, August 22-24, 2013
296. Fluid management: why, how much, which? @ Anesthesiology Conference, Sucre, Bolivia, August 22-24, 2013
297. Fluid Optimization: How to Assess Hypovolemia? @ Anesthesiology Conference, Sucre, Bolivia, August 22-24, 2013
298. Minimum Standards in Anaesthesia @ XXXII CLASA Paraguay Congress, Asunción Paraguay, September 30-October 3, 2013
299. Perioperative outcomes @ XXI Annual Course Clínica Colsánitas, Bogotá, DC, February 13-15, 2014

300. Do we administer excessive perioperative fluids? @ International Course of Anesthesiology and Resuscitation of Greater Santander, Bucaramanga, Santander, May 31-June 1st, 2014
301. Perioperative myocardial injury MINS @ Internal Medicine Meeting, Colsánitas Clinic, Bogotá, DC, September 4, 2014
302. How to improve our patients? @ XLVIII Mexican Congress of Anesthesiology, Querétaro, Mexico September 16-20, 2014
303. Safety aspects @ XLVIII Mexican Congress of Anesthesiology, Querétaro, Mexico September 16-20, 2014
304. Which pre-anesthetic laboratories: protocol update Colsánitas Clinics @ Colsánitas Clinics Monthly meeting, Bogotá DC, October 14, 2014
305. Minimal standards in Colombia: a success story @ ASA Annual Meeting, New Orleans, October 17-22, 2014
306. Diabetes and Perioperative Infection Risk @ ASA Annual Meeting, New Orleans, October 17-22, 2014
307. Proposal for global hemodynamic management: a practical approach @ International Course on Perioperative Management of Patients with SOMAT Trauma, Mexico, Mexico, December 2-4, 2014
308. Does anesthesia have an impact on outcomes? @ International Course on Perioperative Management of Patients with SOMAT Trauma, Mexico, Mexico, December 2-4, 2014
309. Fluid optimization. How to monitor the volume? @ International Course on Perioperative Management of Patients with SOMAT Trauma, Mexico, Mexico, December 2-4, 2014
310. Which complications can we prevent? @ XXII Annual Course COLSANITAS Clinics, Bogotá, February 12-14, 2015
311. Applied cardiopulmonary physiology @ XXII Annual Course COLSANITAS Clinics, Bogotá, February 12-14, 2015
312. Simple approach to anesthetic registries @ XXII Annual Course COLSANITAS Clinics, Bogotá, February 12-14, 2015
313. Perioperative management of diabetes @ Monthly Meeting of the Cundinamarca Society of Anesthesiology, Bogotá, DC, March 25, 2015
314. Revision of the 2015 Minimum Standards @ XXXI National Congress of Anesthesiology SCARE, Cali, Valle, June 3-6, 2015
315. Fluid optimization: how to assess hypovolemia? @ XXI Conferences of the Anesthesia Society of Guayas, Guayaquil, Ecuador, July 15-17, 2015
316. Round table discussion: Crystalloids vs Colloids, where are we? @ XXI Conferences of the Anesthesia Society of Guayas, Guayaquil, Ecuador, July 15-17, 2015
317. Physiological Approach to Fluid Management, Plenary Lecture @ XXIII CLASA Congress Lima, Peru, September 21-24, 2015
318. Drug shortages: implications for anesthesia safety @ XXIII CLASA Congress Lima, Peru, September 21-24, 2015
319. Practical Application of Perioperative Medicine and Impact on Clinical and Economic Outcomes @ XXIII Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 11-13, 2016
320. Moderator: What do our anesthesia residents lack to practice Perioperative Medicine @ XXIII Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 11-13, 2016
321. Moderator: Can we modify outcomes? At what cost? @ XXIII Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 11-13, 2016

322. Does the age of the red blood cells in transfusion matter? @ IX Colombian Congress and XV Ibero-American Congress of Blood Banks and Transfusion Medicine - III International Symposium on Cellular and Regenerative Therapy, Medellín, Colombia May 26-29, 2016
323. Massive Hemorrhage, What is the Best Transfusion Scheme? @ IX Colombian Congress and XV Ibero-American Congress of Blood Banks and Transfusion Medicine - III International Symposium on Cellular and Regenerative Therapy, Medellín, Colombia May 26-29, 2016
324. Social media – as a tool for doctor-patient communication @ XVI World Congress of Anaesthesia in Hong Kong, China, August 28 -September 2, 2016
325. Impediments to standards implementation in LMICs @ XVI World Congress of Anaesthesia in Hong Kong, China, August 28 -September 2, 2016
326. How should we train the teachers in anesthesia residency programas? Latin América @ XVI World Congress of Anaesthesia in Hong Kong, China, August 28 -September 2, 2016
327. Moderator Roundtable: What should we investigate in perioperative medicine? @ XXIV Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 16-18, 2017
328. Moderator Round table: Is Postoperative Anemia a Failure? @ XXIV Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 16-18, 2017
329. Round table How to deal with a possible shortage of anesthesiologists? @ XXIV Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 16-18, 2017
330. Perioperative anemia: Are we doing it right? @ XXIV Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 16-18, 2017
331. Moderator Roundtable: Fluid management @ XXXII Colombian Congress of Anesthesiology SCARE,, Barranquilla June 14-17, 2017
332. It is worth updating the Minimum Standards @ XXXII Colombian Congress of Anesthesiology SCARE,, Barranquilla June 14-17, 2017
333. Is it justified to practice perioperative medicine? @ XXXII Colombian Congress of Anesthesiology SCARE,, Barranquilla June 14-17, 2017
334. Data and anesthesia, what do we have at hand? @ XXXII Colombian Congress of Anesthesiology SCARE,, Barranquilla June 14-17, 2017
335. Is it justified to practice perioperative medicine? @ Webinar SCARE Julio 26, 2017
336. How to manage the fluids of the surgical patient? @ XI National Medical Congress Industrial University of Santander (UIS): Surgical Emergencies, Bucaramanga, September 7-9, 2017
337. Moderator of Round Table of Session of Abstracts @ XXIV CLASA Punta del Este Congress, Uruguay, October 2-5, 2017
338. What are registries for? Experience in LATAM @ XXIV CLASA Punta del Este Congress, Uruguay, October 2-5, 2017
339. Do the standards of anesthesia practice work? @ XXIV CLASA Punta del Este Congress, Uruguay, October 2-5, 2017
340. Quality and safety indicators @ XXIV CLASA Punta del Este Congress, Uruguay, October 2-5, 2017
341. Round table What has changed in residency training and CME? @ XXV Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 22-24, 2018
342. How did fluid management evolve? @ XXV Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 22-24, 2018
343. CRS Achievements: More Rational Use of Blood Products @ XXV Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 22-24, 2018

344. CRS Achievements: Pre-Anesthetic Assessment @ XXV Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 22-24, 2018
345. How to comprehensively evaluate a graduate student? @ XI SCARE Education Seminar, Bogotá September 11, 2018
346. Goal-Guided Fluid Therapy @ 45th Argentine Congress of Anesthesiology, Bariloche, Argentina September 26-28, 2018
347. Does anesthesia have an impact on outcomes? @ 45th Argentine Congress of Anesthesiology, Bariloche, Argentina September 26-28, 2018
348. Gloomy outlook on supply / demand for anesthesiologic services @ VI Caribbean Regional Congress, Barranquilla, February 8-10, 2019
349. Roundtable Moderator: PRO – CON: Anesthesiologist at UCPA @ XXVI Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 21-23, 2019
350. Do we delay early care for patients with hip fractures? @ XXVI Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 21-23, 2019
351. What are the Minimum Standards for? @ Symposium "Safe Surgery - Safe Patient" SCA / Health Bureau of Bogota, Bogotá, March 13, 2019
352. Global Surgery: What is it? @ XXXIII Colombian Congress of Anesthesiology SCARE, Bucaramanga, August 21-24, 2019
353. How to reduce morbidity in PACU @ XXXIII Colombian Congress of Anesthesiology SCARE, Bucaramanga, August 21-24, 2019
354. What is Patient Blood Management? Is it useful to implement this strategy? @ XXXIII Colombian Congress of Anesthesiology SCARE, Bucaramanga, August 21-24, 2019
355. What's recently changed in fluid therapy? @ XXXIII Colombian Congress of Anesthesiology SCARE, Bucaramanga, August 21-24, 2019
356. Intraoperative resuscitation. Volume considerations @ XXXV Latin American Congress of Anesthesiology CLASA 19, Buenos Aires Argentina September 21-25, 2019
357. Hemodynamic Monitoring through Dynamic Variables @ XXXV Latin American Congress of Anesthesiology CLASA 19, Buenos Aires Argentina September 21-25, 2019
358. Global Surgery. Latin America @ XXXV Latin American Congress of Anesthesiology CLASA 19, Buenos Aires Argentina September 21-25, 2019
359. Round Table Participant: My hospital lacks some elements that I consider essential. Can I administer anesthesia? @ XXXV Latin American Congress of Anesthesiology CLASA 19, Buenos Aires Argentina September 21-25, 2019
360. Occasional practices that involve risk in our exercise @ XXXV Latin American Congress of Anesthesiology CLASA 19, Buenos Aires Argentina September 21-25, 2019
361. Do the Minimum Standards in Anaesthesia have any practical impact? @ XXXV Latin American Congress of Anesthesiology CLASA 19, Buenos Aires Argentina September 21-25, 2019
362. Moderator Round table: Could the death of a celebrity like Joan Rivers be prevented? @ XXXV Latin American Congress of Anesthesiology CLASA 19, Buenos Aires Argentina September 21-25, 2019
363. Implementing Safety and Quality Reporting Systems That Work: The Challenges in Low-Resourced Setting @ ASA Annual Meeting 2019 October 18-22 Orlando, USA
364. Is risk assessment and stratification currently adequate? @ Second International Symposium on Evaluation and Optimal Management of High-Risk Perioperative Patients, Bogotá November 29-30, 2019

365. Moderator of the Round Table "Is there an excess of anesthesiologists today?" @ XXVII Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 27-29, 2020
366. Moderator of the round table "Is IOP electroencephalographic monitoring useful to reduce POP delirium?" @ XXVII Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 27-29, 2020
367. Reina Sofia Clinic Infographics @ XXVII Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 27-29, 2020
368. Moderator-Coordinator Webinar: "Restart of Elective Surgery" @ Webinar Latin American Confederation of Anesthesiology Societies (CLASA) May 6, 2020
369. Elective Surgery Restart: A Pragmatic Approach @ Monthly activity (virtual) Cundinamarca Society of Anesthesiology, June 26, 2020
370. Volume resuscitation: what are we in 2020? @ Panamanian Society of Anesthesiology (SPA) September 2, 2020
371. How do we deal with the Pandemic? Latin America @ Virtual Congress Anesthesiologist Society Rio Grande do Sul (JARGS) September 13, 2020
372. Safety & Quality Data to Prepare for the Next Pandemic @ International Forum on Perioperative Safety and Quality Sponsored by the American Society of Anesthesiologists (ASA), the Anesthesia Patient Safety Foundation (APSF), the European Society of Anesthesiology (ESA), and World Federation of Societies of Anesthesiologists (WFSA) September 17, 2020
373. What is the Patient Blood Management strategy and what is it for? @ Virtual meeting of the Peruvian Society of Anesthesiology (SPAAR) October 7, 2020
374. Moderator Round table: Renal morbidity @ XXVIII Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 25-27, 2021
375. The patient had MINS. Could we prevent it? @ XXVIII Annual Anesthesiology Course Colsánitas Clinics, Bogotá February 25-27, 2021
376. Are we facing a crisis in the specialty in the country? Why and how could it be circumvented? **Webinar** Cundinamarca Society of Anesthesiology, May 11, 2021
377. Perioperative fluid management: why? how much? Which one? @ XIII National Medical Congress and I Virtual of Anesthesiology, Resuscitation and Pain "Safe and Borderless Perioperative Medicine", Tegucigalpa, Honduras, July 30 and 31, 2021
378. Rational Transfusion @ International Symposium on Perioperative Medicine Update and II Departmental Conference on Anesthesiology, La Paz, Bolivia, July 29-31, 2021
379. Fluid Management and Optimization Why, how much and which? @ International Symposium on Perioperative Medicine Update and II Departmental Conference on Anesthesiology, La Paz, Bolivia, July 29-31, 2021
380. How to reduce morbidity in the PACU? A South American approach @ 36th International Annual Conference Egyptian Anesthesia Congress 2021, Cairo, Egypt, August 1,2, 2021
381. Can my fluid therapy injure patients? @ XXXIV Colombian Congress of Anesthesiology SCARE, Bogotá, Colombia, August 5-7, 2021
382. How to restart safe surgery in times of COVID-19? @ National Academy of Medicine, Bogotá August 19, 2021
383. Anesthetists role in healthcare coordination and optimization @ XVII World Congress of Anesthesia, Prague, Czech Republic, September 1-5, 2021 (It was rescheduled for 2020, but for COVID was scheduled September 2021)

384. Moderator Round Table: Evolution of the four-year postgraduate course, how to justify this? @ XXIX Annual Anesthesiology Course Clínicas Colsánitas, Bogotá February 23-25, 2022
385. Minimum Standards: Are They Really Practical for Preventing Disasters? @ XXIX Annual Anesthesiology Course Clínicas Colsánitas, Bogotá February 23-25, 2022
386. Residency program in Anesthesiology & Perioperative Medicine at Unisanitas @ XXIX Annual Anesthesiology Course Clínicas Colsánitas, Bogotá February 23-25, 2022
387. What is the offer of anesthesia residency programs in Colombia? @ XXIX Annual Anesthesiology Course Clínicas Colsánitas, Bogotá February 23-25, 2022
388. Why choose anesthesiology as a specialization? @ XXIX Annual Anesthesiology Course Clínicas Colsánitas, Bogotá February 23-25, 2022
389. How to decrease morbidity in PACU? @ XXVI Latin American Congress of Anesthesiology (CLASA) Santa Cruz, Bolivia October 14-17, 2022
390. Which serious perioperative complications can be prevented by anesthesia care? @ XXVI Latin American Congress of Anesthesiology (CLASA) Santa Cruz, Bolivia October 14-17, 2022
391. Postgraduate students are responsible for making anesthesiology evolve @ XXII SCARE Education Seminar November 1, 2022
392. Moderator of Round Table: Is anesthesia in trauma a challenge today? @ XXX Annual Anesthesiology Course Clínicas Colsánitas, Bogotá February 23-25, 2023
393. Moderator of Round Table: Are we practicing state of the art anesthesiology? @ XXX Annual Anesthesiology Course Clínicas Colsánitas, Bogotá February 23-25, 2023
394. How has the Anaesthesia Department at Clínica Reina Sofia evolved and where is it going? @ XXX Annual Anesthesiology Course Clínicas Colsánitas, Bogotá February 23-25, 2023
395. Which hemodynamic goals should we seek in geriatric patients? @ XXXV Colombian Congress of Anesthesiology SCARE, Cartagena, July 13-15, 2023
396. Q&A Session - Anesthesia in the Elderly @ XXXV Colombian Congress of Anesthesiology SCARE, Cartagena, July 13-15, 2023
397. Is there anything new in IOP fluid management? @ XXXV Colombian Congress of Anesthesiology (Colombian Society of Anesthesiology – SCARE), Cartagena, July 13-15, 2023
398. How to transform my anesthesia service into a highly reliable organization (HRO)? @ Latin American Congress of Anesthesiology Rio de Janeiro, September 7-10, 2023
399. PRO: only Physician anesthesia providers (in LATAM) @ XVIII World Congress of Anaesthesiologists, Singapore March 3-7, 2024
400. Latin American perspective: Workforce wellbeing @ XVIII World Congress of Anaesthesiologists, Singapore March 3-7, 2024
401. Cardiovascular Risk assessment: a practical approach from LATAM @ XVIII World Congress of Anaesthesiologists, Singapore March 3-7, 2024
402. Awareness and Efforts to Improve Wellbeing of Anesthesia Patients From Different Races @ ASA Annual Meeting Philadelphia October 19-22, 2024
403. ERAS Implementation in Ambulatory Hip Arthroplasty in Bogota, Colombia @ ASA Annual Meeting Philadelphia October 19-22, 2024
404. Prevalence of patient safety events in surgical procedures of health service provider institutions in Bogotá @ Surgical Patient Safety Symposium Bogota November 28, 2024
405. The first anesthetic in Colombia was not on 1849 @ National Academy of Medicine Bogota, May 9th, 2025 <https://www.youtube.com/live/MhVJaFDc5mo>

406. Moderator: Safety in Anesthesia Module I @ XXXVIII Latin American Congress of Anesthesiologist CLASA, @ Cancun, Mexico, May21-24, 2025
407. Moderator: Safety in Anesthesia Module II @ XXXVIII Latin American Congress of Anesthesiologist CLASA, @ Cancun, Mexico, May21-24, 2025
408. A 70 year old patient has no EKG: should it be postponed? @ XXXVIII Latin American Congress of Anesthesiologist CLASA, @ Cancun, Mexico, May21-24, 2025
409. Should anesthesia standards be mandatory? @ XXXVIII Latin American Congress of Anesthesiologist CLASA, Cancun, Mexico May21-24, 2025
410. Inadvertently a medication error was made, should we inform the patient/family? @ XXXVIII Latin American Congress of Anesthesiologist CLASA, @ Cancun, Mexico, May21-24, 2025
411. Workshop: There was a cardiac arrest in post anesthesia care unit, who is at fault? @ XXXVIII Latin American Congress of Anesthesiologist CLASA, Cancun, Mexico May21-24, 2025
412. Workshop There was an anesthetic complication under resident care? Who is responsible? @ XXXVIII Latin American Congress of Anesthesiologist CLASA, @ Cancun, Mexico, May21-24, 2025
413. Where is the WFSA going? @ XXXVIII Latin American Congress of Anesthesiologist CLASA, @ Cancun, Mexico, May21-24, 2025