

***CLAUDIO ANIBAL RABEC, MD FCCP***

Born in Buenos Aires, Argentina (1960)

Graduated at the University of Buenos Aires, Argentina (1984)

Board-certified specialist in Critical Care Medicine (1994)

Board-certified specialist in Pulmonary Disease (1998)

Fellow of the American College of Chest Physicians (2000)

Interuniversity French Certificate in Medical English (2005)

Master in Sleep Disorders, Murcia University (Spain) (2020)

Certificate in Cardiac Echography (French Society of Pulmonary Medicine) (2022)

*Formerly,*

Head of the Respiratory Chronic Disorders unit and Sleep Laboratory at the Tornu University Hospital at Buenos Aires, Argentina

Professor of Pulmonary Diseases at University of Buenos Aires, Argentina

*Currently:*

Staff member of the Pulmonary and Critical Care Division at the Centre Hospitalier et Universitaire de Dijon, Université de Bourgogne, France.

Head of the non-invasive ventilation unit and respiratory sleep disorders

Consultant in respiratory aspects of neuromuscular disorders.

Head of the pulmonary hypertension network in the French Burgundy area, federated at the French National Pulmonary Hypertension Network

Associate professor, University of Burgundy, France

### *Expertise*

- Sleep disorders, mechanical ventilation (with special emphasis in non-invasive ventilation and long-term mechanical ventilation)
- Respiratory chronic care with special emphasis in respiratory aspects of neuromuscular and neurological disorders.
- Respiratory Home Care
- Pulmonary Hypertension
- Respiratory critical care medicine

### *Clinical research interests*

- Aspects of noninvasive ventilation, especially in the field of development of new monitoring techniques for non invasive ventilation and both bench and bedside testing of new ventilatory devices,
- Management of respiratory disorders during sleep
- Neurophysiological and mechanical explorations of the respiratory muscles.

### *Educational resources*

- Assistant Professor, Medical School, Burgundy University, France
- Responsible Interuniversity certification on sleep disorders (Burgundy University)
- Responsible of the module: Respiratory Physiology and Principles of Assisted Ventilation Interuniversity Degree on Respiratory Home care (Sorbonne/Toulouse University)
- -Lecturer:
  - Interuniversity Degree on Respiratory Home care (Sorbonne University/Toulouse University)
  - Interuniversity Degree of Non Invasive ventilation (Lyon University/Montpellier University)
  - University Degree of Respiratory Pathophysiology (Respiratory Therapist School, Lyon University)
  - Interuniversity Degree on Mechanical Ventilation (Angers/Toronto)

University)

- Master Medicine and humanities (Burgundy University)
- Master Medicine and Religion (Burgundy University)

*Participation in scientific societies*

-Titular Member of SEPAR (Spanish Respiratory Society)

- Member of the Bureau of the Sleep and ventilation group

-Titular Member of SPLF (French Respiratory Society)

- Member of the Bureau of the Ventilatory Assistance Group

-Honorary member (consultant) of AAMR (Argentine Respiratory Society)

-Member of the ERS

- Active member in the Chronic Care Assembly

-Founding member SomnoNIV group, European group of NIV monitoring

-Founding member Gaudi group, Franco-spanish-portuguese group on home ventilation

*Indexed publications (last 10 years)*

- 1) RABEC C, RODENSTEIN D, LEGER P et al: Ventilatory modalities and ventilator settings in non invasive ventilation: effects on respiratory events and their identification. *Thorax*. 2011;66:170
- 2) GONZALEZ-BERMEJO J, PERRIN C, JANSSENS JP, PEPIN JL, MROUE G, LÉGER P, LANGEVIN B, ROUAULT S, RABEC C, RODENSTEIN D. Proposal for a systematic analysis of polygraphy or polysomnography for identifying and scoring abnormal events occurring during non invasive ventilation. *Thorax*. 2012;67:546
- 3) RABEC C, de LUCAS RAMOS P, VEALE D. Pathophysiology, diagnosis and management of respiratory failure in obesity. *Arch Bronconeumol*. 2011;47:252.
- 4) CARNEVALE C, GEORGES M, RABEC C, TAMISIER R; LEVY P, PEPIN JL Efficacy of Adaptive Servo Ventilation in the treatment of various aetiologies of hypocapnic central sleep apnea. *Sleep Med*. 2011;12:952
- 5) RABEC C, LANGEVIN B, RODENSTEIN D, PERRIN C, LEGER P, PEPIN JL, JANSSENS JP, GONZALEZ-BERMEJO J; SomnoNIV Group. Ventilatory modes. What's in a name?. *Respir Care*. 2012; 57:2138
- 6) ESQUINAS A, RABEC C. Noninvasive ventilation to breathe but not to leak: that is the question! *Respiration*. 2013; 86:261
- 7) ESQUINAS AM, SCALA R, RABEC C. Noninvasive mechanical ventilation and sleep quality in ICU: intensivists are waking up!. *Crit Care Med*. 2013 Dec;41(12):e481-2. doi: 10.1097/CCM.0b013e3182a5258f.
- 8) CATTEAU A, FÉVRIER M, KHOUMRI K, RABEC C, GIROUD M. Amyotrophic lateral sclerosis, a disease with a complex diagnosis. *Rev Infirm*. 2013 188:14-6.
- 9) GONZALEZ-BERMEJO J, RABEC C, JANSSENS JP, PERRIN C, LANGEVIN B, PEPIN JL, RODENSTEIN D. Noninvasive ventilation inefficacy due to technically incompatible ventilator settings. *Intensive Care Med*. 2013;39:1154
- 10) BOREL JC, PEPIN JL, CONTAL O, GONZALEZ-BERMEJO J, RABEC C, TAMISIER R, ADLER D, JANSSENS JP. Scoring Abnormal Respiratory Events on Polysomnography During Noninvasive Ventilation *Sleep Med Clin* 2014; 9 327–339
- 11) RABEC C, RODENSTEIN D, LEGER P, ROUAULT S, PERRIN C, GONZALEZ-BERMEJO J; LE GROUPE SOMNOVNI. Modes ventilatoires et réglages en ventilation non invasive : retentissement sur les événements respiratoires et implications dans leur identification. *Rev Mal Respir*. 2013 Dec;30(10):818-31. doi: 10.1016/j.rmr.2013.08.001. Epub 2013 Oct 30.
- 12) GONZALEZ-BERMEJO J, PERRIN C, JANSSENS JP, PEPIN JL, MROUE G, LÉGER P, LANGEVIN B, ROUAULT S, RABEC C, RODENSTEIN D Proposition pour une analyse systématique de la polygraphie et de la polysomnographie afin d'identifier les évènements anormaux survenant pendant la ventilation non invasive. *Rev Mal Resp* 2014 Apr;31(4):312-22.
- 13) COUILLARD A, PEPIN JL, RABEC C, CUVELIER A, PORTMANN A, MUIR JF. [Noninvasive ventilation: efficacy of a new ventilatory mode in patients with obesity-hypoventilation syndrome]. *Rev Mal Respir*. 2015 Mar;32(3):283-90. doi: 10.1016/j.rmr.2014.02.013. Epub 2014 Jun 24. French.
- 14) VRIJSEN B, CHATWIN M, CONTAL O, DEROM E, JANSSENS JP, KAMPELMACHER MJ, MUIR JF, PINTO S, RABEC C, RAMSAY M, RANDERATH WJ, STORRE JH, WIJKSTRA PJ, WINDISCH W, TESTELMANS D. Hot Topics in Noninvasive Ventilation: Report of a Working Group at the International Symposium on Sleep-Disordered Breathing in Leuven, Belgium. *Respir Care*. 2015 Sep;60(9):1337-62. doi: 10.4187/respcare.03796. Epub 2015 Jun 30.\$
- 15) RABEC C, EMERIAUD G, AMADEO A, FAUROUX B, GEORGES M. New modes in non-invasive ventilation.. *Paediatr Respir Rev*. 2015 Oct 24. pii: S1526-0542(15)00115-3. doi: 10.1016/j.prrv.2015.10.004. [Epub ahead of print] Review.
- 16) GEORGES M, NGUYEN-BARANOFF D, GRIFFON L, FOIGNOT C, BONNIAUD P,

CAMUS P , PEPIN JL, RABEC C. Usefulness of transcutaneous PCO<sub>2</sub> to assess nocturnal hypoventilation in restrictive lung disorders. Accepté pour publication, *Respirology* 2016

- 17) GONZALEZ-BERMEJO J, RABEC C, PERRIN C, LANGEVIN B, PEPIN JL, RODENSTEIN D, JANSSENS JP Treatment failure due to use of a “ramp” option on pressure support home ventilators Accepted pour publication, Thorax 2016
- 18) RABEC C, GONZALEZ-BERMEJO J, PERRIN C, LANGEVIN B, PEPIN JL, RODENSTEIN D, JANSSENS JP; SOMNONIV GROUP.  
And the Doctor Answers: "Dream, Dream, I Will Be the Guardian of Your Breathing...". J Clin Sleep Med. 2016 Aug 15;12(8):1199-201. doi: 10.5664/jcsm.6074. No abstract available
- 19) RABEC C, CUVELIER A, CHEVAL C, JAFFRE S, JANSSENS JP, MERCY M, PRIGENT A, ROUAULT S, TALBI S, VANDENBROECK S, GONZALEZ-BERMEJO J. [Noninvasive ventilation. The 2015 guidelines from the Groupe Assistance Ventilatoire (GAV) of the Société de Pneumologie de Langue Française (SPLF)]. Rev Mal Respir. 2016 Dec;33(10):905-910. doi: 10.1016/j.rmr.2016.07.003. Epub 2016 Aug 23. Review. French.
- 20) FERNANDEZ ALVAREZ R, RABEC C, RUBINOS CUADRADO G, CASCON HERNANDEZ J, HERNANDEZ P, GEORGES M, CASAN P Monitoring non-invasive ventilation in patients with obesity-hypoventilation syndrome: comparison between ventilator built-in-software and respiratory polygraphy. En revision, Resp Med 2016
- 21) SAYAS CATALÁN J, LÓPEZ-PADILLA D, LUJÁN M, JIMÉNEZ HUERTA I, HERNÁNDEZ-VOTH A, BENAVIDES MAÑAS P, ARIAS ARIAS E, RABEC C. Videolaryngoscopy under non-invasive ventilation: a new role in difficult to titrate patients due to upper airway obstruction. Accepted with minor revision. Resp Care 2016
- 22) ZHU K, RABEC C, GONZALEZ-BERMEJO J, HARDY S, AOUF S, ESCOURROU P, ROISMAN G. Combined effects of leaks, respiratory system properties and upper airway patency on the performance of home ventilators: a bench study. BMC Pulm Med. 2017 Nov 21;17(1):145
- 23 ) RABEC C, GONZALEZ-BERMEJO J, CUVELIER A, CERVANTES P, FORET D, MOUNIER L, MELLONI B, MUIR JF.Cohort of patients initiated to home ventilation. [Observational and prospective study]. Rev Mal Respir. 2018 Jan;35(1):88-93. doi: 10.1016/j.rmr.2017.05.004. Epub 2018 Feb 1. French.
- 24) GONZALEZ-BERMEJO J, CARLUCCI AL; RABEC C, PERRIN C, LANGEVIN B, JANSSENS JP, LUJAN M Proposal for a systematic analysis of polygraphy for identifying and scoring asynchrony during long term non-invasive ventilation Thorax 2019 in press
- 25) RABEC C, SAYAS CATALAN J, LUNAN M/ One plus one may not be two: patient-ventilator interaction in non-invasive ventilation. Who makes what?" Arch Bconeum 2019 in press
- 26) ZHU K, RABEC C, GONZALEZ-BERMEJO J, HARDY S, AOUF S, ESCOURROU P, ROISMAN G. Combined effects of leaks, respiratory system properties and upper airway patency on the performance of home ventilators: a bench study. BMC Pulm Med. 2017 Nov 21;17(1):145
- 27 ) RABEC C, GONZALEZ-BERMEJO J, CUVELIER A, CERVANTES P, FORET D, MOUNIER L, MELLONI B, MUIR JF.Cohort of patients initiated to home ventilation. [Observational and prospective study]. Rev Mal Respir. 2018 Jan;35(1):88-93. doi: 10.1016/j.rmr.2017.05.004. Epub 2018 Feb 1. French.
- 28) RABEC C, GONZALEZ-BERMEJO J; Respiratory Support, Chronic Care Group GAVO 2 of the French Society of Respiratory Diseases SPLF;. Respiratory support in patients with COVID-19 (outside intensive care unit). A position paper of the Respiratory Support and Chronic Care Group of the French Society of Respiratory Diseases [published online ahead of print, 2020 May 27]. *Respir Med Res*. 2020;78:100768. doi:10.1016/j.resmer.2020.100768

- 29) GONZALEZ-BERMEJO J, JANSSENS JP, RABEC C, ET AL. Framework for patient-ventilator asynchrony during long-term non-invasive ventilation. *Thorax*. 2019;74(7):715-717. doi:10.1136/thoraxjnl-2018-213022
- 30) ROTTY MC, MALLET JP, SUEHS CM, MARTINEZ C, BOREL JC, RABEC C, BOURDIN A, MOLINARI N, JAFFUEL D. Is the 2013 American Thoracic Society CPAP-tracking system algorithm useful for managing non-adherence in long-term CPAP-treated patients? *Respir Res*. 2019 Sep 12;20(1):209. doi: 10.1186/s12931-019-1150-7.
- 31) TRIPODORO VA, RABEC CA, DE VITO EL Withdrawing noninvasive ventilation at end-of-life care: is there a right time? *Curr Opin Support Palliat Care*. 2019 Dec;13(4):344-350. doi: 10.1097/SPC.0000000000000471.
- 32) JAFFUEL D, PHILIPPE C, RABEC C, MALLET JP, GEORGES M, REDOLFI S, PALOT A, SUEHS CM, NOGUE E, MOLINARI N, BOURDIN A What is the remaining status of adaptive servo-ventilation? The results of a real-life multicenter study (OTRLASV-study) : Adaptive servo-ventilation in real-life conditions. *Respir Res*. 2019 Oct 29;20(1):235. doi: 10.1186/s12931-019-1221-9
- 33) GONZALEZ-BERMEJO J, NAVA S, RABEC C, VEGA ML. Precision medicine is coming to town: personalising home ventilatory equipment in COPD patients with chronic hypercapnic respiratory failure. *Eur Respir Rev*. 2019 Nov 6;28(154):190043. doi: 10.1183/16000617.0043-2019. Print 2019 Dec 31.
- 34) PATOUT M, GAGNADOUX F, RABEC C, TRZEPIZUR W, GEORGES M, PERRIN C, TAMISIER R, PÉPIN JL, LLONTOP C, ATTALI V, GOUTORBE F, PONTIER-MARCHANDISE S, CERVANTES P, BIRONNEAU V, PORTMANN A, DELRIEU J, CUVELIER A, MUIR JF AVAPS-AE versus ST mode: A randomized controlled trial in patients with obesity hypoventilation syndrome. *Respirology*. 2020 Feb 13. doi: 10.1111/resp.13784.
- 35) RABEC C, GONZALEZ-BERMEJO J; Respiratory Support Chronic Care Group AVO2 of the French Society of Respiratory Diseases SPLF; GAVO2 collaborators Respiratory support in patients with COVID-19 (outside intensive care unit). A position paper of the Respiratory Support and Chronic Care Group of the French Society of Respiratory Diseases. *Respir Med Res*. 2020 Nov;78:100768. doi: 10.1016/j.resmer.2020.100768. Epub 2020 May 27.
- 36) JAFFUEL D, **RABEC C**, PHILIPPE C, MALLET JP, GEORGES M, REDOLFI S, PALOT A, SUEHS CM, NOGUE E, MOLINARI N, BOURDIN A Patterns of adaptive servo-ventilation settings in a real-life multicenter study: pay attention to volume! : Adaptive servo-ventilation settings in real-life conditions. *Respir Res*. 2020 Sep 21;21(1):243. doi: 10.1186/s12931-020-01509-7.
- 37) RESCUE2-MONITOR GROUP Respiratory support in COPD patients after acute exacerbation with monitoring the quality of support (Rescue2-monitor): an open-label, prospective randomized, controlled, superiority clinical trial comparing hospital- versus home-based acute non-invasive ventilation for patients with hypercapnic chronic obstructive pulmonary disease. *Trials*. 2020 Oct 22;21(1):877. doi: 10.1186/s13063-020-04672-w.
- 38) GEORGES M, RABEC C, MONIN E, AHO S, BELTRAMO G, JANSSENS JP, BONNIAUD P. Monitoring of noninvasive ventilation: comparative analysis of different strategies. *Respir Res*. 2020 Dec 10;21(1):324. doi: 10.1186/s12931-020-01586-8.
- 39) ROTTY MC, SUEHS CM, MALLET JP, MARTINEZ C, BOREL JC, RABEC C, BERTELLI F, BOURDIN A, MOLINARI N, JAFFUEL D Mask side-effects in long-term CPAP-patients impact adherence and sleepiness: the InterfaceVent real-life study. *Respir Res*. 2021 Jan 15;22(1):17. doi: 10.1186/s12931-021-01618-x.
- 40) PATOUT M, FRESNEL E, LUJAN M, RABEC C, CARLUCCI A, RAZAKAMANANTSOA L, KERFOURN A, NUNES H, TANDJAOUI-LAMBIOTTE Y,

- CUVELIER A, MUIR JF, LALMODA C, LANGEVIN B, SAYAS J, GONZALEZ-BERMEJO J, JANSSENS JP Recommended Approaches to Minimize Aerosol Dispersion of SARS-CoV-2 During Noninvasive Ventilatory Support Can Cause Ventilator Performance Deterioration: A Benchmark Comparative Study. SomnoNIV Group. *Chest*. 2021 Mar 2:S0012-3692(21)00446-3. doi: 10.1016/j.chest.2021.02.047. Online ahead of print.
- 41) MEDIANO O, GONZÁLEZ MANGADO N, MONTSERRAT JM, ALONSO-ÁLVAREZ ML, ALMENDROS I, ALONSO-FERNÁNDEZ A, BARBÉ F, BORSINI E, CABALLERO-ERASO C, CANO-PUMAREGA I, DE CARLOS VILAFRANCA F, CARMONA-BERNAL C, CARRILLO ALDUENDA JL, CHINER E, CORDERO GUEVARA JA, DE MANUEL L, DURÁN-CANTOLLA J, FARRÉ R, FRANCESCHINI C, GAIG C, GARCIA RAMOS P, GARCÍA-RÍO F, GARMENDIA O, GÓMEZ GARCÍA T, GONZÁLEZ PONDAL S, HOYO RODRIGO MB, LECUBE A, MADRID JA, MANIEGAS LOZANO L, MARTÍNEZ CARRASCO JL, MASA JF, MASDEU MARGALEF MJ, MAYOS PÉREZ M, MIRABET LIS E, MONASTERIO C, NAVARRO SORIANO N, OLEA DE LA FUENTE E, PLAZA G, PUERTAS CUESTA FJ, **RABEC C**, RESANO P, RIGAU D, RONCERO A, RUIZ C, SALORD N, SALTIJERAL A, SAMPOL RUBIO G, SÁNCHEZ QUIROGA MÁ, SANS CAPDEVILA Ó, TEIXEIRA C, TINAHONES MADUEÑO F, MARIA TOGEIRO S, TRONCOS ACEVEDO MF, VARGAS RAMÍREZ LK, WINCK J, ZABALA URIONAGUENA N, EGEA C; EL SPANISH SLEEP NETWORK. International Consensus Document on Obstructive Sleep Apnea. *Arch Bronconeumol*. 2021 Mar 24:S0300-2896(21)00115-0. doi: 10.1016/j.arbres.2021.03.017. Online ahead of print
- 42) **RABEC C**, FRESNEL E, RÉTORY Y, ZHU K, JOLY K, KERFOURN A, DUDOIGNON B, MENDOZA A, CUVELIER A, MUIR JF, MELLONI B, CHABOT JF, GONZALEZ-BERMEJO J, PATOUT M. Addition of bacterial filter alters positive airway pressure and non-invasive ventilation performances. *Eur Respir J*. 2022 Jan 27:2102636. doi: 10.1183/13993003.02636-2021
- 43) MAQUILÓN C, ANTOLINI M, VALDÉS N, ANDRADE M, CANALES K, **RABEC C**, OLAVE C, AGUAYO M, RIVAS P, ANDRADE C, VENEGAS Á, ZAPATA S, TORRES ME, CABRERA O, VILLALOBOS J. MAQUILÓN C, ET AL Results of the home mechanical ventilation national program among adults in Chile between 2008 and 2017. *BMC Pulm Med*. 2021 Dec 2;21(1):394. doi: 10.1186/s12890-021-01764-4.
- 44) TAMISIER R, DAMY T, BAILLY S, DAVY JM, VERBRAECKEN J, LAVERGNE F, PALOT A, GOUTORBE F, D'ORTHO MP, PÉPIN JL; FACE STUDY INVESTIGATORS. TAMISIER R, ET AL Adaptive servo ventilation for sleep apnoea in heart failure: the FACE study 3-month data. *Thorax*. 2022 Feb;77(2):178-185. doi: 10.1136/thoraxjnl-2021-217205.
- 45) **RABEC C**, PATOUT M, GAGNADOUX F, TRZEPIZUR W, GEORGES M, PERRIN C, TAMISIER R, PÉPIN JL, LLONTOP C, ATTALI V, GOUTORBE F, PONTIER-MARCHANDISE S, CERVANTES P, BIRONNEAU V, PORTMANN A, DELRIEU J, CUVELIER A, MUIR JF. Automated ventilator technology: More answers and some questions. *Respirology*. 2021 Aug;26(8):816-817. doi: 10.1111/resp.14097.
- 46) MAQUILÓN C, ANTOLINI M, VALDÉS N, ANDRADE M, CANALES K, **RABEC C**, OLAVE C, AGUAYO M, RIVAS P, ANDRADE C, VENEGAS Á, ZAPATA S, TORRES ME, CABRERA O, VILLALOBOS J Results of the home mechanical ventilation national program among adults in Chile between 2008 and 2017. *BMC Pulm Med*. 2021 Dec 2;21(1):394. doi: 10.1186/s12890-021-01764-4.
- 47) **RABEC C**, FRESNEL E, RÉTORY Y, ZHU K, JOLY K, KERFOURN A, DUDOIGNON B, MENDOZA A, CUVELIER A, MUIR JF, MELLONI B, CHABOT JF, GONZALEZ-BERMEJO J, PATOUT M. Addition of bacterial filter alters positive airway



- pressure and non-invasive ventilation performances. *Eur Respir J*. 2022 Apr 14;59(4):2102636. doi: 10.1183/13993003.02636-2021. Print 2022 Apr.
- 48) GEORGES M, PEREZ T, RABEC C, JACQUIN L, FINET-MONNIER A, RAMOS C, PATOUT M, ATTALI V, AMADOR M, GONZALEZ-BERMEJO J, SALACHAS F, MORELOT-PANZINI; Proposals from a French expert panel for respiratory care in ALS patients. *Respir Med Res*. 2022 May;81:100901. doi: 10.1016/j.resmer.2022.100901. Epub 2022 Mar 3.
- 49) JANSSENS JP, CANTERO C, PASQUINA P, GEORGES M, RABEC C Monitoring Long Term Noninvasive Ventilation: Benefits, Caveats and Perspectives. *Front Med (Lausanne)*. 2022 May 19;9:874523. doi: 10.3389/fmed.2022.874523. eCollection 2022.
- 50) RIBEIRO BAPTISTA B, BAPTISTE A, GRANGER B, VILLEMAIN A, OHAYON R, RABEC C, CHABOT F, GONZALEZ-BERMEJO J. Growth of home respiratory equipment from 2006 to 2019 and cost control by health policies. *Respir Med Res*. 2022 Jun 11;82:100930. doi: 10.1016/j.resmer.2022.100930
- 51) JANSSENS JP, CANTERO C, PASQUINA P, JAKSIC C, ADLER D, ULDRY C, EGGER B, PRELLA M, YOUNOSSIAN AB, RABEC C, SOCCAL GASCHÉ PM, PÉPIN JL Long-Term Noninvasive Ventilation in Chronic Obstructive Pulmonary Disease: Association between Clinical Phenotypes and Survival. *Respiration*. 2022;101(10):939-947. doi: 10.1159/000525865. Epub 2022 Aug 26.

## *Ongoing Research*

### *Investigator in the following trials*

- Hifae trial *NCT05196698*
- Face trial *NCT01831128*
- FaciVAA trial *NCT02835638*
- Gousas trial *NCT03701737*
- Deventilator trial *NCT02851446*
- Ornet trial *NCT03979001*
- *POPS 3* trial *NCT02746718*
- *Dyvine* trial *NCT02746718*

### *Main investigator in the following trials*

- Cohort of new ventilated patients in France *NCT02346305*
- Homevent trial *NCT02811588*
- Rescue Monitor trial *NCT03890224*
- Deventilator trial *NCT02851446*

### *Speaker and chairman in congress (last 2 years)\**

\* Compared to a normal period because of the pandemics, our activity was clearly reduced

- Speaker and chairman at the French Pulmonary Congress (2021 3 sessions-2022 two sessions 2023 three sessions) Lille, Lyon, Marseille
- Speaker at the Mexican Congress in Pulmonary Disorders (2021) Monterrey, Mexico
- Speaker at the Winter meeting of the SEPAR (Spanish society) (2021) (Tarragona, Spain)
- Speaker at the French Postgraduate Training Cours on home ventilation organized by the French Pulmonary Society (2020-2021-2022), Patis
- Speaker at the International Sleep Disorders Academy Congress, Dubai 2021
- Speaker at the International Sleep Congres Academy Congress, Cape Town 2022
- Speaker at the French Ateliers de Ventilation (Immersive training organized by the French Pulmonary Society at different sites) 2020-2021-2022 (Biarritz, Aix en Provence, France)
- Speaker at the ALAT (Asociacion Latinoamericana del Torax) International Webinar "Managing hypoxemic respiratory failure in CoVID pandemics
- Speaker at the International Meeting of Home Ventilation (JIVD/ERCA) (3 sessions), Lyon 2022
- Speaker at the French Intensive Care Congress, Paris 2022

