

Curriculum Vitae

Bruno Hochegger, MD, PhD

PERSONAL INFORMATION

Date of Birth: July 21, 1982

Place of Birth: Sao Luiz Gonzaga, Brazil

Professional Address:

Department of Radiology, College of Medicine, University of Florida

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PERSONAL STATEMENT

I am Professor and thoracic radiologist at the University of Florida. My expertise in clinical imaging analysis in chronic lung diseases and lung cancer. I have mentored 29 PhDs and MSc students and been granted more than US\$ 4 800 000,00 in research projects involving lung cancer screening and new imaging methods in chest diseases.

PRESENT APPOINTMENT

Clinical Professor of Radiology, Division of Thoracic Radiology, University of Florida College of Medicine, Gainesville, Florida, 06/2021 – present.

Thoracic Radiologist, Division of Thoracic Radiology, University of Florida College of Medicine, Gainesville, Florida, 06/2021 – present.

Vice Chair of Research, Department of Radiology, University of Florida College of Medicine, Gainesville, Florida, 12/2021 – present.

Interim chief of Thoracic Radiology. Department of Radiology, University of Florida College of Medicine, Gainesville, Florida, 02/2023 – present.

PAST APPOINTMENTS

Thoracic Radiologist, Pavilhao Pereira Filho - Pontifical Catholic University of Rio Grande do Sul, Porto Alegre, Brazil, 02/2011 – 06/2021

Professor of Radiology, Division of Radiology, Pontifical Catholic University of Rio Grande do Sul, Porto Alegre, Brazil, 09/2014 – 06/2021

EDUCATION

Medical Doctor

Federal University of Santa Maria, UFSM, Santa Maria, Brazil, 06/2000-06/2006

Medical Residency in Radiology

Diagnostic Radiology, Federal University of Health Sciences of Porto Alegre – Pavilhao Pereira Filho, Porto Alegre, Brazil, 02/2007-01/2010

Master in Sciences in Radiology

Federal University of Rio de Janeiro, Rio de Janeiro, Brazil, 02/2009-11/2011

PhD in Respiratory Sciences

Federal University of Rio Grande do Sul, UFRGS, Porto Alegre, Brazil, Project Title – Prognostic Factors in Lung Transplantation, 3/2008-3/2011

Clinical Fellowship

Thoracic Radiology, Federal University of Health Sciences of Porto Alegre – Pavilhao Pereira Filho, Porto Alegre, Brazil, 11/2011-11/2012

LICENSURE

USA - Florida Board of Medicine: MFC1840, 03/2021

ENGLAND - General Medical Council GMC 7056588 Full practice doctor 01/2011

BRAZIL – Brazilian council of medicine CREMERS 30427 Full Doctor and Radiologist

SCHOLARSHIPS AND ACADEMIC HONORS

2009 –Radiological Society of North America.
Introduction to Research for International Young Academics,

2010 – European Society of Radiology
Specialization in Torax – Magnetic resonance. (500h). Ruprecht-Karls-Universität
Heidelberg, HEIDELBERG, Alemanha.

2013 - Brazilian Council of Research Fellow scientist level II

2017 Lee Rogers Fellowship, American Roentgen Ray Society.

2019 Brazilian Academy of Medicine Award.

CONTRACTS AND GRANTS

a. Funded Externally –

1. Circulating Fibrocytes as Biomarkers of Cardiac Sarcoidosis

Funding Agency: NIH – AMERICA HEART ASSOCIATION

Effective Dates: 06/2020-

Total Funding: \$ 193,900

Role: Co-Investigator

2. Artificial intelligence in the evaluation of severe acute respiratory syndrome

Funding Agency: FAPERGS- RGS FUNDATION

Effective Dates: 06/2020-

Total Funding: \$ 53.000

Role: Principal Investigator

3. Influence of tomographic phenotype on clinical and functional aspects of patients
with Chronic Obstructive Pulmonary Disease

Funding Agency: CNPq – Brazil reaserch fundation

Effective Dates: 06/2010-2015

Total Funding: \$ 30.000

Role: Principal Investigator

4. MEDNet - Latin American Health Care Network

Funding Agency: FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV - FP7-ICT

Effective Dates: 06/2008- 05/2011

Total Funding: \$ 2 189 648

Role: Co-Investigator

5. Lung cancer in developing countries

Funding Agency: Bristol Myers Squibb

Effective Dates: 06/2022-

Total Funding: \$ 2 000 000,00

Role: Co-Principal Investigator

6. The Open Source Imaging Consortium: Establishing an international bio-repository to accelerate digital biomarker research in fibrotic lung disease

Funding Agency: Open Source Imaging Consortium

Effective Dates: 06/2021-

Total Funding: \$ 89 000,00

Role: Co-Investigator

7. Lung Cancer Screening in development countries

Funding Agency: Roche Pharmaceuticals

Effective Dates: 06/2020- 06/2021

Total Funding: \$ 50 000,00

Role: Co-Investigator

8. The IASLC Early Lung Imaging Confederation (ELIC) Open Source Deep Learning and Quantitative Measurement Initiative

Funding Agency: International Association for the Study of Lung Cancer

Effective Dates: 06/2021-

Total Funding: \$ 250 000,00

Role: Co-Investigator

9. Artificial intelligence into a brazilian lung cancer screening program

Funding Agency: Astra Zeneca Pharmaceuticals

Effective Dates: 06/2020- 06/2021

Total Funding: \$ 50 000,00

Role: Co-Investigator

GRADUATE MENTORSHIP AND ADVISOR

PhDs

1.

Marcia Cristina Gonçalves De Oliveira Moraes. FAST PROTOCOL FOR BREAST MAGNETIC RESONANCE. 2022. Thesis (Doctorate in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

2.

Clarice Sprinz. Study of the influence of glycemia on PET-CT measurements with 18F-FLUORO-DEOXY-GLUCOSE (18F-FDG) in normal organs. Analysis of 5623 patients. 2021. Thesis (Doctorate in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

3.

Luís Carlos Anflor Junior. USE OF 18F-FDG IN PET/CT IN THE UNIQUE HEALTH SYSTEM AS AN ALTERNATIVE NON-INVASIVE METHOD FOR THE DIAGNOSIS AND STAGING OF LUNG CANCER. 2021. Thesis (Doctorate in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

4.

Stephan Philip Leonhardt Altmayer. Evaluation of CT findings in immunocompetent patients with Covid-19 compared to other viral pneumonias: systematic review and meta-analysis. 2021. Thesis (Doctorate in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, Coordination for the Improvement of Higher Education Personnel. Advisor: Bruno Hochhegger.

5.

Douglas Nascimento. Computed tomography in chronic transplant rejection. 2020. Thesis (Doctorate in Pathology) - Federal University of Health Sciences Foundation of Porto Alegre, . Advisor: Bruno Hochhegger.

6.

Luciano Urnauer. Influence of the interischiopubic angle and its relationship with the ischiofemoral space. 2020. Thesis (Doctorate in Medicine and Health Sciences.) -

Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

7.

Tassia Machado Medeiros. Comparison of whole-body magnetic resonance imaging with 18F-FDG PET/CT in the m staging of lung cancer in an endemic area of granulomatous disease. 2020. Thesis (Doctorate in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

8.

Nathalia Guarienti Missima. Performance of Novel Free-Breathing GRASP Reconstruction Techniques in the Identification of Liver Structures and Lesions in a Clinical Population. 2020. Thesis (Doctorate in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, Coordination for the Improvement of Higher Education Personnel. Advisor: Bruno Hochhegger.

9.

Francis de Souza Santos. Characterization of mediastinal lymphadenopathy by magnetic resonance imaging. 2020. Thesis (Doctorate in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

10.

Rubens Gabriel Feijo Andrade. Bone density in patients with cystic fibrosis. 2019. Thesis (Doctorate in Pediatric Medicine and Child Health) - Pontifical Catholic University of Rio Grande do Sul, Coordination for the Improvement of Higher Education Personnel. Co-advisor: Bruno Hochhegger.

11.

Leonardo Stone Lago. The use of Whole Body Magnetic Resonance with Intravenous Contrast in Multiple Myeloma. 2019. Thesis (Doctorate in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

12.

Giordano Tronco Alves. Halo sign on chest computed tomography: diagnostic value in immunocompetent and immunocompromised patients. 2018. Thesis (Doctorate in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, National Council for Scientific and Technological Development. Advisor: Bruno Hochhegger.

13.

Fernando Ferreira Gazzoni.. Lung HRCT findings in lung transplant patients. 2014. Thesis (Doctorate in Pulmonological Sciences) - Federal University of Rio Grande do Sul, . Co-advisor: Bruno Hochhegger.

14.

Bettina Scherer. Tomographic findings in pulmonary microsuction of the digestive tract. 2014. Thesis (Doctorate in Pathology) - Federal University of Health Sciences Foundation of Porto Alegre, . Advisor: Bruno Hochhegger.

15.

Marcus Chaves. Correlation between chest computed angiotomography assessments for the diagnosis of pulmonary embolism among emergency physicians, radiology residents and radiologists. 2013. Thesis (Doctorate in Pneumological Sciences) - Federal University of Rio Grande do Sul, National Council for Scientific and Technological Development. Co-advisor: Bruno Hochhegger.

MSc

1.

Maico Alexandre Nicodem. PERFORMANCE OF COMPUTERIZED TOMOGRAPHIC COLONOGRAPHY WITH FECAL MARKING FOR COLORRECTAL POLYP SCREENING: SYSTEMATIC REVIEW AND META-ANALYSIS. 2022. Dissertation (Master in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

two.

Angela de Figueiredo Pinto Agostini. Magnetic resonance imaging with paramagnetic contrast Gd-EBO-DTPA: relationship with liver function in cirrhotic patients. 2021. Dissertation (Master in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

3.

Joao Paulo Leal Schambeck. Magnetic resonance imaging by elastography in the diagnosis of liver fibrosis. 2020. Dissertation (Master in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

4.

Luana Marinho Gonçalves. Association between elastography and Doppler in the evaluation of kidney transplantation. 2020. Dissertation (Master in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

5.

Diego Hermindo Henkes Roman. Diagnostic Evaluation of Prostate Neoplasia: 68Ga-PSMA PET/CT and Multiparametric Magnetic Resonance. 2020. Dissertation (Master in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

6.

Tiago Garcia Holz. Quantification of iron in the human brain through magnetic resonance imaging. 2020. Dissertation (Master in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

7.

Jonathan William Rodrigues Justo. Benign focal liver lesions on diffusion-weighted magnetic resonance imaging: The role of diffusion-weighted images (DWI) and apparent diffusion coefficient (ADC) in characterization and differential diagnosis. 2019. Dissertation (Master in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, National Council for Scientific and Technological Development. Advisor: Bruno Hochhegger.

8.

Thiago Krieger Bento Da Silva. High-resolution computed tomography findings in pediatric patients with severe asthma. 2018. Dissertation (Master in Pediatric Medicine and Child Health) - Pontifical Catholic University of Rio Grande do Sul, . Co-advisor: Bruno Hochhegger.

9.

Cristina Sebastiao Matushita. Systematic review and meta-analysis of Positron Emission Tomography (PET) with 68GA-labeled Prostate Specific Membrane Antigen (PSMA) in Prostate Cancer. 2018. Dissertation (Master in Medicine and Health Sciences.) - Pontifical Catholic University of Rio Grande do Sul, . Advisor: Bruno Hochhegger.

10.

Ricardo Holderbaum do Amaral. Tomographic Evaluation of Bronchiectasis in

Expiration.. 2015. Dissertation (Master in Pathology) - Federal University of Health Sciences Foundation of Porto Alegre, . Advisor: Bruno Hochhegger.

11.

Ana Paula Sartori. Magnetic resonance findings in fungal diseases. 2014. Dissertation (Master in Pathology) - Federal University of Health Sciences Foundation of Porto Alegre, . Advisor: Bruno Hochhegger.

12.

Carlos Nin. Use of contrast-enhanced chest X-ray in chronic cough. 2014. Dissertation (Master in Pathology) - Federal University of Health Sciences Foundation of Porto Alegre, . Advisor: Bruno Hochhegger.

13.

Vinicius Valerio Souza. Magnetic resonance imaging diffusion findings in pulmonary infarcts. 2014. Dissertation (Master in Pathology) - Federal University of Health Sciences Foundation of Porto Alegre, . Advisor: Bruno Hochhegger.

14.

Giordano Rafael Tronco Alves. Findings of dynamic lung hyperinflation by computed tomography of the lung. 2014. Dissertation (Master in Medicine (Radiology)) - Federal University of Rio de Janeiro, . Advisor: Bruno Hochhegger.

SOCIETY MEMBERSHIPS_____

- | | |
|-------------------|--|
| 01/2006 – present | Radiological Society of North America |
| 07/2020 – present | International Association for the Study of Lung Cancer |
| 03/2013 – present | Society of Thoracic Radiology |

COMMITTEES IN SOCIETIES_____

- | | |
|----------------|---|
| 2020 – present | Radiological Society of North America
Committee on International Radiology Education (CIRE). |
| 2022 – present | Society of Thoracic Radiology
Publications Committee. |

EDITORIAL BOARDS

01/2013 – present Reviewer, American Journal of respiratory and Critical Care medicine
01/2015 – present Reviewer, American Journal of Roentgenology
01/2015 – present Reviewer, Journal of Thoracic Imaging
01/2015 – present Reviewer, Thorax
01/2016 – present Reviewer, European Respiratory Journal
01/2016 – present Reviewer, Journal of Magnetic Resonance Imaging
01/2019 – present Reviewer, European Radiology
01/2019 – present Reviewer, Nature Communications

PUBLICATIONS

Articles indexed in PUBMED

1: Marchiori E, Hochhegger B, Zanetti G. Hyperdensities within the pulmonary arteries. *J Bras Pneumol.* 2023 Mar 17;49(1):e20230048. English, Portuguese. doi: 10.36416/1806-3756/e20230048. PMID: 36946822.

2: Nunes TF, Inchingolo R, Kikuti CF, de Faria BB, Galhardo CAV, Tognini JRF, Marchiori E, Hochhegger B. Computed tomography fluoroscopy-guided percutaneous biopsy of pulmonary nodules ≤ 10 mm: retrospective analysis of procedures performed during the COVID-19 pandemic. *Radiol Bras.* 2023 Jan-Feb;56(1):1-7. doi: 10.1590/0100-3984.2022.0062-en. PMID: 36926361; PMCID: PMC10013188.

3: Marchiori E, Hochhegger B, Zanetti G. COVID-19 and infectious diseases: a frequent association. *Clin Imaging.* 2023 May;97:70-71. doi: 10.1016/j.clinimag.2023.03.005. Epub 2023 Mar 8. PMID: 36905886; PMCID: PMC9991325.

4: Schambeck JPL, Forte GC, Gonçalves LM, Stuker G, Kotlinski JBF, Tramontin G, Altmayer S, Watte G, Hochhegger B. Diagnostic accuracy of magnetic resonance elastography and point-shear wave elastography for significant hepatic fibrosis screening: Systematic review and meta-analysis. *PLoS One.* 2023 Feb 2;18(2):e0271572. doi: 10.1371/journal.pone.0271572. PMID: 36730265; PMCID: PMC9894488.

5: Hochhegger B, Braithwaite D. Beyond the <i>AJR</i>: Should Imaging-Based Risk Assessment Tools Be Used in Lung Cancer Screening? *AJR Am J Roentgenol*. 2023 Feb 1. doi: 10.2214/AJR.23.29060. Epub ahead of print. PMID: 36722762.

6: Marchiori E, Hochhegger B, Zanetti G. Dense reticular pattern. *J Bras Pneumol*. 2022 Nov 28;48(6):e20220383. doi: 10.36416/1806-3756/e20220383. PMID: 36449824; PMCID: PMC9747176.

7: Marchiori E, Hochhegger B, Zanetti G. Diffuse opacification of the hemithorax. *J Bras Pneumol*. 2022 Nov 14;48(5):e20220382. doi: 10.36416/1806-3756/e20220382. PMID: 36383781; PMCID: PMC9747188.

8: Sousa C, Marchiori E, Youssef A, Mohammed TL, Patel P, Irion K, Pasini R, Mançano A, Souza A, Pasqualotto AC, Hochhegger B. Chest Imaging in Systemic Endemic Mycoses. *J Fungi (Basel)*. 2022 Oct 27;8(11):1132. doi: 10.3390/jof8111132. PMID: 36354899; PMCID: PMC9692403.

9: Silveira de Souza VV, Carra Forte G, Dalla RA, Irion K, Penha D, Oliveira Moraes M, Marchiori E, Hochhegger B. Initial Experience With the Use of Diffusion-weighted Magnetic Resonance Imaging to Assess Pulmonary Infarction. *J Thorac Imaging*. 2022 Nov 1;37(6):W94-W96. doi: 10.1097/RTI.0000000000000667. Epub 2022 Aug 10. PMID: 36306269.

10: Hochhegger B, Patel PP, Zanon M, Müller E, Ferreira Correa L, Verma N, Mohammed TL, Quinto Dos Reis Hochhegger D, Irion K, Marchiori E. Narrowing the Differential Diagnosis of Cystic Lesions in Smokers with Expiratory CT Acquisition Using the Cyst-Airway Communication Hypothesis. *Lung*. 2022 Dec;200(6):817-820. doi: 10.1007/s00408-022-00576-5. Epub 2022 Oct 22. PMID: 36271930.

11: Hochhegger B, Pelaez A, Machuca T, Mohammed TL, Patel P, Zanon M, Torres F, Altmayer S, Nascimento DZ. CT imaging findings in lung transplant recipients with COVID-19. *Eur Radiol*. 2023 Mar;33(3):2089-2095. doi: 10.1007/s00330-022-09148-w. Epub 2022 Sep 24. PMID: 36152040; PMCID: PMC9510464.

12: Hochhegger B, Zanon M, Patel PP, Verma N, Eifer DA, Torres PPTES, Souza AS, Souza LVS, Mohammed TL, Marchiori E, Ackman JB. The diagnostic value of magnetic resonance imaging compared to computed tomography in the evaluation of

fat- containing thoracic lesions. *Br J Radiol*. 2022 Dec 1;95(1140):20220235. doi: 10.1259/bjr.20220235. Epub 2022 Oct 14. PMID: 36125174; PMCID: PMC9733611.

13: Pinto E, Penha D, Hochhegger B, Monaghan C, Marchiori E, Taborda-Barata L, Irion K. Variability of pulmonary nodule volumetry on coronary CT angiograms. *Medicine (Baltimore)*. 2022 Sep 2;101(35):e30332. doi: 10.1097/MD.00000000000030332. PMID: 36107569; PMCID: PMC9439735.

14: Forte GC, Altmayer S, Silva RF, Stefani MT, Libermann LL, Cavion CC, Youssef A, Forghani R, King J, Mohamed TL, Andrade RGF, Hochhegger B. Deep Learning Algorithms for Diagnosis of Lung Cancer: A Systematic Review and Meta-Analysis. *Cancers (Basel)*. 2022 Aug 9;14(16):3856. doi: 10.3390/cancers14163856. PMID: 36010850; PMCID: PMC9405626.

15: Hochhegger B, Altmayer S. Traumatic sternal fractures. *Radiol Bras*. 2022 Jul-Aug;55(4):IX. doi: 10.1590/0100-3984.2022.55.4e3. PMID: 35983348; PMCID: PMC9380610.

16: Marchiori E, Hochhegger B, Zanetti G. Diffuse thickening of the tracheal wall, with calcifications. *J Bras Pneumol*. 2022 Jul 25;48(4):e20220223. doi: 10.36416/1806-3756/e20220223. PMID: 35894417; PMCID: PMC9496260.

17: Marchiori E, Hochhegger B, Zanetti G. Hypodense consolidation. *J Bras Pneumol*. 2022 Jul 15;46(3):e20200004. doi: 10.36416/1806-3756/e20200004. PMID: 35857938; PMCID: PMC9271374.

18: Agostini ÂFP, Hochhegger B, Forte GC, Susin LA, Difini JPM. ACCURACY OF ABBREVIATED PROTOCOL OF MAGNETIC RESONANCE CHOLANGIO-PANCREATOGRAPHY IN THE DIAGNOSIS OF CHOLEDOCHOLITHIASIS. *Arq Gastroenterol*. 2022 Apr-Jun;59(2):188-192. doi: 10.1590/S0004-2803.202202000-35. PMID: 35830027.

19: Antunes MDS, Hochhegger B, Alves GRT, Gazzoni FF, Forte GC, Andrade RGF, Felicetti JC. Postoperative computed tomography of insufflated lung specimens obtained by video-assisted thoracic surgery: detection and margin assessment of pulmonary nodules. *Radiol Bras*. 2022 May-Jun;55(3):151-155. doi: 10.1590/0100-3984.2021.0046. PMID: 35795601; PMCID: PMC9254709.

- 20: Marchiori E, Hochhegger B, Zanetti G. Branching tubular opacities. *J Bras Pneumol.* 2022 Jun 24;46(4):e20200198. doi: 10.36416/1806-3756/e20200198. PMID: 35766677; PMCID: PMC9233987.
- 21: Barros MC, Altmayer S, Carvalho AR, Rodrigues R, Zanon M, Mohammed TL, Patel P, Mohammad AA, Mehrad B, Chatkin JM, Hochhegger B. Quantitative Computed Tomography: What Clinical Questions Can it Answer in Chronic Lung Disease? *Lung.* 2022 Aug;200(4):447-455. doi: 10.1007/s00408-022-00550-1. Epub 2022 Jun 25. PMID: 35751660; PMCID: PMC9378468.
- 22: Barros MC, Hochhegger B, Altmayer S, Zanon M, Sartori G, Watte G, do Nascimento MHS, Chatkin JM. The Normal Lung Index From Quantitative Computed Tomography for the Evaluation of Obstructive and Restrictive Lung Disease. *J Thorac Imaging.* 2022 Jul 1;37(4):246-252. doi: 10.1097/RTI.0000000000000629. Epub 2021 Dec 16. PMID: 35749622.
- 23: de Mattos JN, Santiago Escovar CE, Zereu M, Rubin AS, Camargo SM, Mohammed TL, Dos Santos RS, Verma N, Penha Pereira D, Guedes Pinto E, Machuca T, Medeiros TM, Hochhegger B. Computed tomography on lung cancer screening is useful for adjuvant comorbidity diagnosis in developing countries. *ERJ Open Res.* 2022 Jun 20;8(2):00061-2022. doi: 10.1183/23120541.00061-2022. PMID: 35747230; PMCID: PMC9209849.
- 24: Braithwaite D, Karanth SD, Slatore CG, Zhang D, Bian J, Meza R, Jeon J, Tammemagi M, Schabath M, Wheeler M, Guo Y, Hochhegger B, Kaye FJ, Silvestri GA, Gould MK. Personalised Lung Cancer Screening (PLuS) study to assess the importance of coexisting chronic conditions to clinical practice and policy: protocol for a multicentre observational study. *BMJ Open.* 2022 Jun 22;12(6):e064142. doi: 10.1136/bmjopen-2022-064142. PMID: 35732383; PMCID: PMC9226937.
- 25: Barreto IL, Grajo JR, Brock DE, Magnelli L, Patel P, Hochhegger B. A Health System's Response to the Ongoing Global Shortage of Iodinated Contrast Media. *AJR Am J Roentgenol.* 2022 Dec;219(6):974-979. doi: 10.2214/AJR.22.28060. Epub 2022 Jun 22. PMID: 35731094.
- 26: Marchiori E, Hochhegger B, Zanetti G. Widening of the mediastinum. *J Bras Pneumol.* 2022 Jun 10;48(3):e20220158. doi: 10.36416/1806-3756/e20220158.

PMID: 35703621; PMCID: PMC9262426.

27: Pinto E, Penha D, Hochegger B, Monaghan C, Marchiori E, Taborda-Barata L, Irion K. Incidental chest findings on coronary CT angiography: a pictorial essay and management proposal. *J Bras Pneumol*. 2022 May 13;48(4):e20220015. doi: 10.36416/1806-3756/e20220015. PMID: 35584528; PMCID: PMC9064655.

28: Spilimbergo FB, Assmann TS, Bellon M, Hoscheidt LM, Caurio CFB, Puchalski M, Hochegger B, Roncato G, Meyer GMB. Soluble Guanylate Cyclase Stimulators (Riociguat) in Pulmonary Hypertension: Data from Real-Life Clinical Practice in a 3-Year Follow-Up. *Arq Bras Cardiol*. 2022 May 9;118(6):1059–66. Portuguese, English. doi: 10.36660/abc.20210492. Epub ahead of print. PMID: 35544852; PMCID: PMC9345144.

29: Moraes MO, Forte GC, Guimarães ADSG, Grando MBFDP, Junior SA, Kepler C, Hochegger B. Breast MRI: Simplifying Protocol and BI-RADS Categories. *Clin Breast Cancer*. 2022 Jul;22(5):e615-e622. doi: 10.1016/j.clbc.2022.03.006. Epub 2022 Mar 24. PMID: 35491321.

30: Marchiori E, Hochegger B, Zanetti G. The air crescent sign. *J Bras Pneumol*. 2022 Apr 20;48(2):e20220035. doi: 10.36416/1806-3756/e20220035. PMID: 35475869; PMCID: PMC9064625.

31: Perin FA, Altmayer S, Nascimento DZ, Moreira-Hetzel G, Camargo SM, Hochegger B, Sidney Filho LA, Camargo JJ, Watte G. Long-term survival following unilateral lung transplantation for end-stage silicosis relative to idiopathic pulmonary fibrosis. *J Bras Pneumol*. 2022 Apr 20;48(2):e20210513. doi: 10.36416/1806-3756/e20210513. PMID: 35475868; PMCID: PMC9064634.

32: Costa RD, Zanon M, Watte G, Altmayer SPL, Mohammed TL, Verma N, Backer J, Lavon BR, Marchiori E, Hochegger B. Expiratory CT scanning in COVID-19 patients: can we add useful data? *J Bras Pneumol*. 2022 Apr 20;48(2):e20210204. doi: 10.36416/1806-3756/e20210204. PMID: 35475863; PMCID: PMC9064648.

33: Guedes Pinto E, Penha D, Hochegger B, Monaghan C, Marchiori E, Taborda-Barata L, Irion K. The impact of cardiopulmonary hemodynamic factors in volumetry for pulmonary nodule management. *BMC Med Imaging*. 2022 Mar 18;22(1):49. doi: 10.1186/s12880-022-00774-w. PMID: 35303820; PMCID: PMC8932130.

34: Marchiori E, Hochhegger B, Zanetti G. Peribronchovascular thickening. *J Bras Pneumol.* 2022 Mar 14;48(1):e20220024. doi: 10.36416/1806-3756/e20220024. PMID: 35293490; PMCID: PMC8964127.

35: Hochhegger B, Lonzetti L, Rubin A, de Mattos JN, Verma N, Mohammed TH, Patel PP, Marchiori E. Chest MRI with CT in the assessment of interstitial lung disease progression in patients with systemic sclerosis. *Rheumatology (Oxford).* 2022 Nov 2;61(11):4420-4426. doi: 10.1093/rheumatology/keac148. PMID: 35258556.

36: Soder SA, Perin FA, Felicetti JC, Camargo JJP, Camargo SM, Hochhegger B, Teixeira PJZ. Accuracy of multidetector computed tomography with maximum intensity projection technique in the assessment of fissure integrity. *J Thorac Dis.* 2022 Jan;14(1):54-63. doi: 10.21037/jtd-21-1359. PMID: 35242368; PMCID: PMC8828509.

37: Hochhegger B, Zanetti G, Marchiori E. Pseudo-honeycombing in a patient with coronavirus disease 2019 pneumonia. *Rev Soc Bras Med Trop.* 2022 Feb 25;55:e0656. doi: 10.1590/0037-8682-0656-2021. PMID: 35239919; PMCID: PMC8909432.

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