

BIOMEDICAL IMAGING CENTER

2019 - Articles in conferences

N°	Title of the presentation	Event	Authors	Type of presentation	Country	City	Date
1	French-Latin American congress in Applied Mathematics.	French-Latin American congress in Applied Mathematics, Centro de Modelamiento Matemático (CMM), U de Chile.	Joaquín Mura	Conference	Chile	Santiago	05-11-2019
2	Modelling and simulation of mechanical effects of fetal growth restriction on fetoplacental arteries.	IV Jornada de origen temprano de las enfermedades crónicas.	Claudio García	Poster	Chile	Santiago	01-11-2019
3	National Conferences on Statistics.	National Conferences on Statistics.	Carlos Sing-Long	Conference	Chile	Puerto Varas	21-10-2019
4	Post-Treatment and Recurrence Evaluation of Rectal Cancer.	Chilean Congress of Radiology.	Cecilia Besa	Oral communication	Chile	Santiago	18-10-2019
5	XII Annual Congress of Biomedical Engineering.	XII Annual Congress of Biomedical Engineering.	Stéren Chabert	Conference	Chile	Concepción	03-10-2019
6	In vivo and ex vivo quantification of hepatic fatty acid in mice fed with CDAA-diet using magnetic resonance spectroscopy at 9.4 T.	Proceedings 36th Annual Scientific Meeting of the ESMRMB.	Xavier A, Zacconi F, Eykyn T, Lavin-Plaza B, Phinikaridou A, Andia ME	Oral communication	Netherlands	Rotterdam	03-10-2019
7	In vivo liver pH in eNOS ^{-/-} mice model fed with High Fat Diet may provide clues to understand their susceptible to develop NAFLD.	Proceedings 36th Annual Scientific Meeting of the ESMRMB.	Xavier A, Eykyn T, Lavin-Plaza B, Phinikaridou A, Andia ME	Poster	Netherlands	Rotterdam	03-10-2019

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8	Lipids composition of visceral fat in overweight and obese patients using 1HNMR at 9.4T.	Proceedings 36th Annual Scientific Meeting of the ESMRMB.	Xavier A, Zacconi F, Morelli C, Uribe S, Andia ME	Poster	Netherlands	Rotterdam	03-10-2019
9	Biology of the First Episode of Psycho.	Jornada Internacional de Intervención Temprana en Psicosis.	Nicolás Crossley	Oral communication	Bolivia	Santa Cruz	27-09-2019
10	Streaking artifact suppression with a L1 Phase Inconsistency term.	5th International Workshop on MRI Phase Contrast & Quantitative Susceptibility Mapping.	Carlos Milovic, Christian Langkammer, Kristian Bredies, Cristian Tejos, and Pablo Irarrazaval	Poster	South Korea	Seoul	25-09-2019
11	QSM parameter optimization using frequency masks.	5th International Workshop on MRI Phase Contrast & Quantitative Susceptibility Mapping.	Carlos Milovic, Claudia Prieto, Berkin Bilgic, Sergio Uribe, Julio Acosta-Cabronero, Pablo Irarrazaval, and Cristian Tejos	Poster	South Korea	Seoul	25-09-2019
12	Structural Similarity Index Metric setup for QSM applications (XSIM).	5th International Workshop on MRI Phase Contrast & Quantitative Susceptibility Mapping.	Carlos Milovic, Cristian Tejos, and Pablo Irarrazaval	Oral communication	South Korea	Seoul	25-09-2019
13	Quantitative Susceptibility Mapping Reconstruction Challenge 2.0 (2019), Reconstruction Challenge.	5th International Workshop on MRI Phase Contrast & Quantitative Susceptibility Mapping.	Carlos Milovic	Workshop	South Korea	Seoul	25-09-2019
14	Development of a solid phantom for QSM and relaxometry applications.	5th International Workshop on MRI Phase Contrast & Quantitative Susceptibility Mapping.	M Chapa, C Milovic, H Valenzuela, F Zacconi, C Tejos	Poster	South Korea	Seoul	25-09-2019
15	Study of individuals with 22q11.2 deletion syndrome using QSM.	5th International Workshop on MRI Phase Contrast & Quantitative Susceptibility Mapping.	Néstor Muñoz	Poster	South Korea	Seoul	25-09-2019

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16	Quantitative Susceptibility Mapping in patients with the first episode of psychosis.	5th International Workshop on MRI Phase Contrast & Quantitative Susceptibility Mapping.	Marisleydis García	Oral communication	South Korea	Seoul	25-09-2019
17	Influence of Vitamin E Intake and Plasma Levels in SR-B1 KO Mice on Embryonic Neural Tube Closure.	2019 International Neural Tube Defects Conference.	Fujiko Saavedra, Maximiliano Villarreal, Paz Molina, Nicolás Santander, Alonso Quiroz, Reyna Peñailillo, Katherine Rivera, Attilio Rigotti and Dolores Busso	Poster	United States of America	Boston	16-09-2019
18	Effect of Preconceptional Maternal High Fat/High Sugar Intake on Maternal Vitamin E Bioavailability and NTD Incidence in SR-B1 KO Embryos.	2019 International Neural Tube Defects Conference.	Alonso Quiroz, Reyna Peñailillo, Katherine Rivera, Fujiko Saavedra, Attilio Rigotti and Dolores Busso	Poster	United States of America	Boston	16-09-2019
19	Active surveillance in prostate cancer.	Chilean Congress of Radiology 2019.	Cecilia Besa	Oral communication	Chile	Santiago	05-09-2019
20	Hepatospecific contrast, real utility.	Chilean Congress of Radiology 2019.	Cecilia Besa	Oral communication	Chile	Santiago	05-09-2019
21	Flow profile for a better non-invasive pressure drop in CoA.	European Society of Cardiology (ESC) Congress.	Joao Fernandes, Alessandro Faraci, Julio Sotelo, Cristobal Bertoglio, Sergio Uribe, David Nordsletten, Pablo Lamata	Poster	France	Paris	31-08-2019
22	Effects of the Environment on the Neuropathology of Psychosis.	Congreso Internacional Trastornos del Ánimo.	Nicolás Crossley	Oral communication	Colombia	Medellin	30-08-2019

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23	PET/CT: Utility in staging and recurrence in prostate cancer.	Course Prostate Cancer: Novelties in diagnosis, staging and treatment in localized and metastatic cancer.	Cecilia Besa	Oral communication	Chile	Santiago	29-08-2019
24	Utility of MRI in Prostate Cancer Study.	Course Prostate Cancer: Novelties in diagnosis, staging and treatment in localized and metastatic cancer.	Cecilia Besa	Oral communication	Chile	Santiago	29-08-2019
25	Co-Organization. Course Prostate Cancer: Novelties in diagnosis, staging and treatment in localized and metastatic cancer.	Prostate Cancer: Novelties in diagnosis, staging and treatment in localized and metastatic cancer.	Cecilia Besa	Course	Chile	Santiago	29-08-2019
26	Cardiac Mechanics I. Minisymposium co-chaired with Joao Soares (Virginia Commonwealth University).	XVI International Symposium on Computer Methods in Biomechanics and Biomedical Engineering (CMBBE).	Daniel Hurtado	Conference	United States of America	New York	15-08-2019
27	Multiscale modeling of non-ohmic conduction in cardiac tissue: upscaling the non-linear behavior of gap junctions.	16th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering.	DE Hurtado, G Panasenko, J Jilberto	Conference	United States of America	New York	14-08-2019
28	On the 3D stress distribution in the alveolar walls: A combined micro-CT and computational modeling study.	16th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering.	MA Sarabia-Vallejos, M Zuñiga, DE Hurtado	Conference	United States of America	New York	14-08-2019
29	Selecting among the rich amount of flow parameters.	4th 4D flow MRI workshop 2019.	Julio Sotelo	Oral communication	England	York, UK	17-06-2019
30	Development report for the open source calculation and optimization toolkit matRad.	19th International Conference on the use of Computers in Radiation Therapy.	Edgardo Dörner	Conference	Canada	Montreal	17-06-2019
31	This is how we quantify and visualize WSS in Santiago.	4th 4D flow MRI workshop 2019.	Julio Sotelo	Conference	UK	York	17-06-2019
32	Transition graph of human functional brain networks.	New Frontiers of Connectivity Analysis from Healthy Brain to Pathoconnectomics.	Nicolás Crossley	Oral communication	Italy	Turin	15-06-2019

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33	On two inverse problems: Direct acoustic wave speed estimation and iterative in-plane flow reconstruction.	Inverse Problems: Methods, Applications and Synergies (IPMAS 2019), UC.	Joaquín Mura, Carlos Sing-Long	Workshop	Chile	Santiago	15-06-2019
34	Inelastic model for image registration.	6th International Conference on Computational and Mathematical Biomedical Engineering.	CI Andrade, DE Hurtado	Conference	Japan	Sendai	10-06-2019
35	Lung Biomechanical Modeling and Simulation. Minisymposium co-chaired with Martin Genet (École Polytechnique) and Dominique Chapelle (INRIA Saclay).	VI International Conference on Computational and Mathematical Biomedical Engineering.	Daniel Hurtado	Conference	Japan	Sendai	10-06-2019
36	Classifying drugs by their arrhythmogenic risk using multiscale modeling and machine learning.	Workshop in Uncertainty quantification for cardiac models, Isaac Newton Institute.	Francisco Sahli	Workshop	England	Cambridge	05-06-2019
37	Antihypertensive and hypoglycemic therapy reduces body and liver fat deposition in a murine model of non-alcoholic fatty liver disease (NAFLD).	Proceedings 87th Congress of the European Atherosclerosis Society, EAS.	Marcelo Andía	Oral communication	Holland	Maastricht	26-05-2019
38	Atrioventricular septal defect: unbalanced or balanced?	Echocardiography and cardiac imaging.	Carmen Lopez	Oral communication	Chile	Santiago	23-05-2019
39	Storage and sharing of echocardiography images using DICOM protocol.	Echocardiography and cardiac imaging.	Guillermo Larios	Conference	Chile	Santiago	23-05-2019
40	Contrast and Bubble studies in echocardiography.	Echocardiography and cardiac imaging.	Guillermo Larios	Conference	Chile	Santiago	23-05-2019
41	Kawasaki Guidelines and role of the coronary arteries Z-Scores in the assessment and risk stratification.	Echocardiography and cardiac imaging.	Guillermo Larios	Conference	Chile	Santiago	23-05-2019
42	Prenatal evaluation of congenital heart disease.	Echocardiography and cardiac imaging.	Carmen Lopez	Oral communication	Chile	Santiago	23-05-2019

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43	Implementation of Myocardial deformation workshop.	SOCHICAR Echocardiography and Cardiac imaging Chilean Congress.	Carmen Lopez, Guillermo Larios	Conference	Chile	Santiago	23-05-2019
44	DeepSPIO: A SPIO particles quantification method using Deep Learning	Proceedings 27th International Conference of the ISMRM.	Gabriel della Maggiora, Carlos Castillo-Passi, Qiu Wenqi, Masaki Sekino, Carlos Milovic, and Pablo Irarrazaval	Poster	Canada	Montreal	11-05-2019
45	An Harmonic Phase Interpolation Method for the Estimation of Motion from Tagged MR Images.	Proceedings 27th International Conference of the ISMRM.	Hernán Mella, Joaquín Mura, Julio Sotelo, Sergio Uribe	Poster	Canada	Montreal	11-05-2019
46	PyMRStrain: A Python Library for the Generation of SPAMM, C-SPAMM, and DENSE Synthetic Images.	Proceedings 27th International Conference of the ISMRM.	Hernán Mella, Joaquín Mura, Julio Sotelo, Sergio Uribe	Poster	Canada	Montreal	11-05-2019
47	4D-Flow MRI and robust local Pulse Wave Velocity allow the detection of alterations in human aortas.	Proceedings 27th International Conference of the ISMRM.	Joaquin Mura, Julio Sotelo, Hernan Mella, Andrew Tran, Tarique Hussain, Bram Ruijsink, Sergio Uribe	Oral communication	Canada	Montreal	11-05-2019
48	Neuroplasticity in patients with post-surgical olfactory dysfunction after olfactory training, assessed with fMRI.	Proceedings 27th International Conference of the ISMRM.	García-Huidobro F, Montalba C, Rosenbaum A, Zurita M, Jofré D, Uribe S, Andia M, Villanueva P, Callejas C, González C	Poster	Netherlands	Rotterdam	11-05-2019
49	Ex vivo quantification of hepatic fatty acid in mice fed with western-diet using magnetic resonance spectroscopy at 9.4T.	Proceedings 27th International Conference of the ISMRM.	Xavier A, Zacconi F, Cabrera D, Arese M, Andia ME	Poster	Netherlands	Rotterdam	11-05-2019

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50	Towards glycoCEST in the liver at 7T with a multi-transmit system.	Proceedings 27th International Conference of the ISMRM.	Xavier A, Khlebnikov V, Prompers J, Andia ME, Arteaga de Castro C	Poster	Netherlands	Rotterdam	11-05-2019
51	Reproducibility of a single finite element methodology used to calculate several cardiovascular parameters from 4D flow MRI data.	Proceedings 27th International Conference of the ISMRM.	Julio Sotelo, Rodrigo Herrera, Cristian Montalba, Juan Urbina, Joaquín Mura, Daniel Hurtado, Sergio Uribe	Conference	Canada	Montreal	11-05-2019
52	A Novel MATLAB Toolbox For Processing 4D Flow MRI Data.	Proceedings 27th International Conference of the ISMRM.	Julio Sotelo, Joaquin Mura, Daniel Hurtado, Sergio Uribe	Conference	Canada	Montreal	11-05-2019
53	Sensitivity Study of 4D flow Left Ventricular Hemodynamics Parameters in Healthy Volunteers and Dilated Cardiomyopathy Patients.	Proceedings 27th International Conference of the ISMRM.	Pamela Franco, Julio Sotelo, Bram Ruijsink, David Nordsletten, Eric Kerfoot, Joaquín Mura, Cristian Tejos, Daniel Hurtado, Sergio Uribe	Oral communication	Canada	Montreal	11-05-2019
54	Solid material resembling human tissues:a white and gray matter brain phantom.	Proceedings 27th International Conference of the ISMRM.	M Chapa, H Valenzuela, C Montalba, S Uribe, M Andia, F Zacconi, C Tejos	Poster	Canada	Montreal	11-05-2019

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55	Quantitative Susceptibility Mapping MRI shows changes in dorsal striatum in patients with a first Episode of Psychosis compared to controls.	Proceedings 27th International Conference of the ISMRM.	Marisleydis García, Néstor Muñoz, Manuel Chappa, Carlos Milovic, Cristian Montalba, Julio Acosta-Carbonero, Luz María Alliende, Bárbara Iruretagoyena, Juan Undurraga, Alfonso González, Carmen Paz Castañeda, Marcelo Andia, Sergio Uribe, Nicolás Crossley, and Cristian Tejos	Conference	Canada	Montreal	11-05-2019
56	Quantitative Susceptibility Mapping shows differences in substantia nigra between patients with 22q11.2 deletion syndrome and controls.	Proceedings 27th International Conference of the ISMRM.	Nestor Andres Muñoz, Marisleydis García, Carlos Milovic1, Manuel Chapa, Cristian Montalba, Julio Acosta-Cabronero, Sergio Uribe, Marcelo Andia, Gabriela Repetto, Analía Cuiza, Cristian Tejos, and Nicolás Crossley	Poster	Canada	Montreal	11-05-2019

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57	DeepSPIO: A Super paramagnetic iron oxide particles quantification method using Deep Learning.	Proceedings 27th International Conference of the ISMRM.	Gabriel della Maggiora, Carlos Castillo-Passi, Qiu Wenqi, Masaki Sekino, Carlos Milovic, and Pablo Irarrazaval	Conference	Canada	Montreal	11-05-2019
58	Added Value of Gadoteric Acid-enhanced Liver MRI in the Assessment of Focal Liver Lesions.	49th Sao Paulo Radiology Meeting.	Cecilia Besa	Oral communication	Brazil	Sao Paulo	02-05-2019
59	Non-HCC Solid Liver Lesions and Pseudolesions Occurring in Chronic Liver Disease.	49th Sao Paulo Radiology Meeting.	Cecilia Besa	Oral communication	Brazil	Sao Paulo	02-05-2019
60	Advanced course III: post-processing and interpretation: 4D-flow post-processing and clinical interpretation.	EuroCMR2019: extending the clinical value of cmr through quality and evidence.	Sergio Uribe	Conference	Italy	Venice	02-05-2019
61	Evaluation of ventricular function in Cardiomyopathies.	Interamerican cardiac imaging (SISIAC).	Carmen Lopez	Oral communication	Peru	Lima	30-04-2019
62	Transesophageal intraoperative echocardiography: Routine evaluation of Doppler of coronary arteries after arterial swith repair.	Interamerican cardiac imaging (SISIAC).	Carmen Lopez	Oral communication	Peru	Lima	30-04-2019
63	Obesity impact in the cardiac function.	Congress of the Cardiovascular Imaging Society of the Inter-American Society of Cardiology (SISIAC).	Guillermo Larios	Conference	Peru	Lima	30-04-2019
64	Kawasaki Guidelines and role of the coronary arteries Z-Scores in the assessment and risk stratification.	Congress of the Cardiovascular Imaging Society of the Inter-American Society of Cardiology (SISIAC).	Guillermo Larios	Conference	Peru	Lima	30-04-2019

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65	Computational Medicine.	Plenary lecture, 1st International Congress in Biotechnology Bolivia Innova, Universidad Mayor de San Andrés.	Daniel Hurtado	Conference	Bolivia	La Paz	15-04-2019
66	Current and future perspective of Cardiac MR function.	9th Congress of the Department of Cardiovascular Imaging.	Sergio Uribe	Conference	Brazil	Brasilia	11-04-2019
67	4D flow techniques for flow measurements.	9th Congress of the Department of Cardiovascular Imaging.	Sergio Uribe	Conference	Chile	Brasilia	11-04-2019
68	MiDaS Workshop 2019: Novel Statistical Methods for Complex Data – A Conference Honoring Wesley O. Johnson.	MiDaS Workshop 2019: Novel Statistical Methods for Complex Data – A Conference Honoring Wesley O. Johnson.	Carlos Sing-Long	Workshop	Chile	Valparaiso	25-03-2019
69	Flow, Pose, Recovery and Statistics.	MiDaS Workshop 2019: Novel Statistical Methods for Complex Data – A Conference Honoring Wesley O. Johnson.	Carlos Sing-Long	Oral communication	Chile	Valparaiso	25-03-2019
70	Focal aortic vascular injury alters remote atherosclerotic plaque progression: an in vivo murine MRI study.	Proceedings 13th European Molecular Imaging Meeting, EMIM.	Marcelo Andía	Oral communication	Scotland	Glasgow	19-03-2019
71	The Mathematics of IDEAL.	ACMS Colloquium, Department of Applied and Computational Mathematics and Statistics, University of Notre Dame.	Carlos Sing-Long	Oral communication	United States of America	Notre Dame, Indiana	10-02-2019
72	The Mathematics of IDEAL.	Inverse Problems and Imaging Seminar, University of Chicago.	Carlos Sing-Long	Oral communication	United States of America	Chicago	01-02-2019
73	Medicina Computacional: modelando el cuerpo humano.	Congreso Futuro.	Daniel Hurtado	Conference	Chile	Santiago	14-01-2019