



2021 - Articles in conferences

N°	Title of the presentation	Event	Authors	Type of presentation	Country	Date	Link
1	Recording of the spinal neurovascular response triggered by a non-noxious peripheral nerve stimulation in patients with diabetes mellitus	19th Annual World Congress Insulin Resistance Diabetes & Cardiovascular Disease	Raúl Caulier Juan Oyarzún	Digital poster	United States	02-12-2021	<a href="https://www.wcir.org/">https://www.wcir.org/</a>
2	Evaluación anatómica de Tetralogía de Fallot mediante Imágenes	XXIX Congreso Sudamericano de Cardiología y LVII Congreso Chileno de Cardiología y Cirugía Cardiovascular	Carmen Lopez	Conference	Chile	29-11-2021	<a href="http://sistema.sochicar.cl/eventos/49">http://sistema.sochicar.cl/eventos/49</a>
3	Riesgo de Eventos Cardiovasculares Mayores en pacientes con Enfermedades Autoinmunes Sistémicas: Una revisión sistemática y meta-análisis de estudios pronósticos	LVII Congreso Chileno de Cardiología y Cirugía Cardiovascular	Leticia González	Conference	Chile	27-11-2021	<a href="https://www.sochicar.cl/images/SoloMdulos VPO al 15 de oct.pdf">https://www.sochicar.cl/images/SoloMdulos VPO al 15 de oct.pdf</a>
4	Las partículas de colesterol pequeñas y densas (sdLDL) se asocian a riesgo inflamatorio residual en pacientes con aterosclerosis severa y niveles óptimos de LDL	LVII Congreso Chileno de Cardiología y Cirugía Cardiovascular	Leticia González	Conference	Chile	27-11-2021	<a href="https://www.sochicar.cl/images/SoloMdulos VPO al 15 de oct.pdf">https://www.sochicar.cl/images/SoloMdulos VPO al 15 de oct.pdf</a>
5	Avances en Resonancia Magnética Cardíaca: Utilidad en Cardiopatías congénitas	XXIX Congreso Sudamericano de Cardiología y LVII Congreso Chileno de Cardiología y Cirugía Cardiovascular	Carmen Lopez	Conference	Chile	27-11-2021	<a href="http://sistema.sochicar.cl/eventos/49">http://sistema.sochicar.cl/eventos/49</a>
6	Some inverse problems in heart valve identification.	Workshop on Non-Linear Analysis and Control Theory in honor of Enrique Zuazua	Axel Osses	Workshop	Chile	03-11-2021	<a href="https://eventos.cmm.uchile.cl/zuazua60/">https://eventos.cmm.uchile.cl/zuazua60/</a>
7	Coronary arteries Z-Scores in Kawasaki Disease. Are the different nomograms comparable?	The 13th International Kawasaki Disease Symposium	Guillermo Larios	Oral presentation	Japan	29-10-2021	<a href="https://site2.convention.co.jp/13ikds/">https://site2.convention.co.jp/13ikds/</a>
8	RMC en Amiloidosis	Webinar Sochicar Amiloidosis	Julián Vega	Oral presentation	Chile	27-10-2021	<a href="https://www.sochicar.cl/index.php?option=com_content&amp;view=article&amp;layout=edit&amp;id=4167">https://www.sochicar.cl/index.php?option=com_content&amp;view=article&amp;layout=edit&amp;id=4167</a>

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9	Peri-spinal neurovascular response triggered by a painless peripheral stimulus in patients with chronic high blood pressure	24th Meeting of the European Council for Cardiovascular Research (ECCR)	Raúl Caulier	Digital poster	United Kingdom	08-10-2021	<a href="https://eccr.org/">https://eccr.org/</a>
10	Localización de la pared arterial basada en mediciones de velocidad en un fluido incompresible	Jornadas de Mecánica Computacional	Axel Osses	Conference	Chile	07-10-2021	<a href="https://eventos.usm.cl/evento/xix-jornadas-de-mecanica-computacional/">https://eventos.usm.cl/evento/xix-jornadas-de-mecanica-computacional/</a>
11	Real time waveguide parameter estimation using sparse multimode disperse Radon Transform with J.-G. Minonzio,	Latin America Ultrasonics Symposium IEEE LAUS2021	Axel Osses	Conference	Chile	04-10-2021	<a href="https://2021.ieee-laus.org/">https://2021.ieee-laus.org/</a>
12	Comparison of localization methods in super resolution imaging	LAUS 2021 – IEEE Latin America Ultrasonics Symposium	Aline Xavier, Gianmarco Pinton, David Espíndola	Conference	Chile	04-10-2021	<a href="https://2021.ieee-laus.org/">https://2021.ieee-laus.org/</a>
13	Anomalías coronarias	Encuentro con residentes de cardiología	Guillermo Larios	Seminar	Chile	30-09-2021	
14	Random Artifacts and their Potential Effects in Medical Image Reconstruction	Chile-France Forum 2021	Carlos Sing-Long	Workshop	France	29-09-2021	<a href="https://eventos.cmm.uchile.cl/chilefranceforum2021/">https://eventos.cmm.uchile.cl/chilefranceforum2021/</a>
15	On arterial wall localization based on incompressible fluid's velocity observations	Seminar Núcleo Milenio Cardio-MRI	Axel Osses	Seminar	Chile	14-09-2021	
16	"Casos de resonancia" del "Curso Avançado de Ressonância e Tomografia Cardiovascular Online CIRCLE - Discussão de Casos com Experts"	10° Congreso del Departamento de Imagen Cardiovascular de la Sociedad de Cardiología de Brasil	Julián Vega	Workshop	Brazil	12-09-2021	<a href="https://www.congressodic.com.br/cursos/index.php">https://www.congressodic.com.br/cursos/index.php</a>
17	Improving OMI-NO2 resolution based on deep learning over central and southern Chile. With S. Parraguez, L. Gallardo, V. Meruane and M. Osses	16th IGAC Science Conference	Axel Osses	Conference	Chile	12-09-2021	<a href="https://igacproject.org/events/2021-16th-igac-science-conference">https://igacproject.org/events/2021-16th-igac-science-conference</a>
18	Workshop Miocarditis RMC	10° Congreso de imagen cardiovascular (DIC). Sociedad Brasileira de Cardiología	Julián Vega	Workshop	Brasil	10-09-2021	
19	Active contours modeling of respiratory airways using isogeometric analysis	17th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering	Daniel Hurtado	Conference	United Kingdom	07-09-2021	<a href="https://www.cmbbe-symposium.com/2021/">https://www.cmbbe-symposium.com/2021/</a>
20	A distributed resistance inverse method for flow obstacle identification from internal velocity measurements	IFIP TC7 Conference on System Modeling and Optimization	Jorge Aguayo, Cristóbal Bertoglio, Axel Osses	Conference	Ecuador	30-08-2021	<a href="https://modemat.epn.edu.ec/ifip_tc7_2021/">https://modemat.epn.edu.ec/ifip_tc7_2021/</a>
21	Stability of a resistance inverse algorithm for recovering obstacles in fluids from local velocity measurements.	IFIP TC7 Conference on System Modelling and Optimization	Axel Osses	Conference	Ecuador	30-08-2021	<a href="https://modemat.epn.edu.ec/ifip_tc7_2020/">https://modemat.epn.edu.ec/ifip_tc7_2020/</a>

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22	Ciencia de datos y biomedicina	Workshop Bioestadística para la Investigación	Carlos Sing-Long	Workshop	Chile	28-08-2021	<a href="https://medicina.uc.cl/noticias/estudios-antes-de-medicina-uc-coorganizados-actividades-para-la-comunidad-medico-cientifica/">https://medicina.uc.cl/noticias/estudios-antes-de-medicina-uc-coorganizados-actividades-para-la-comunidad-medico-cientifica/</a>
23	¿Cuán preparados o dispuestos estamos los profesionales de la salud, ingenieros y pacientes para hacer uso de aplicaciones de IA?	RIIAA-Latam CirCos 2021 - ¿Cuáles son los retos y oportunidades de la IA en la salud en latinoamérica?	Raúl Caulier, Cristóbal Arrieta	Panel discussion	Ecuador	27-08-2021	<a href="http://riiaa.org/community-circles.html">http://riiaa.org/community-circles.html</a>
24	Physics-informed neural networks for cardiac activation mapping	16th U.S. National Congress on Computational Mechanics, USNCCM16	Francisco Sahli, Costabal, Yibo Yang, Paris Perdikaris, Daniel E. Hurtado and Ellen Kuhl	Conference	United States	25-07-2021	<a href="http://16.usnccm.org/">http://16.usnccm.org/</a>
25	Learning atrial fiber orientations from intracardiac maps using physics-informed neural networks	Modeling Cardiac Function 2021	Francisco Sahli	Conference	Italy	01-07-2021	<a href="https://iheart.polimi.it/mcf2021/">https://iheart.polimi.it/mcf2021/</a>
26	Noise in 4D flow MRI velocities from undersampled acquisition sequences: characterization and use in machine learning	4th International Conference on Uncertainty Quantification in Computational Sciences and Engineering (UNCECOMP21)	Carlos Sing-Long	Oral presentation	Greece	29-06-2021	<a href="https://2021.uncecomp.org/">https://2021.uncecomp.org/</a>
27	El compromiso de la función Cardíaca en PIMS	Curso anual cardiología pediátrica. La pandemia y sus efectos en cardiología pediátrica. Consecuencias y desafíos	Guillermo Larios	Conference	Chile	25-06-2021	<a href="https://www.sochipe.cl/subidos/congresos/docs/Programa%20Sochicar.pdf">https://www.sochipe.cl/subidos/congresos/docs/Programa%20Sochicar.pdf</a>
28	Clinical cases: Cardiac MRI in Tetralogy of Fallot	7th Toronto Cardiac Symposium Virtual Conference: Contemporary Issues in Tetralogy of Fallot	Carmen Lopez	Seminar	Canada	11-06-2021	<a href="https://www.docsworld.in/node/25">https://www.docsworld.in/node/25</a>
29	Cardiopatía isquémica evaluación por imágenes	Curso anual de postgrado Sochicar	Julián Vega	SOCHICAR annual course	Chile	01-06-2021	<a href="http://residenteschile.cl/2021/06/cursos-cardiologia-postgrado-2021-sochicar/">http://residenteschile.cl/2021/06/cursos-cardiologia-postgrado-2021-sochicar/</a>
30	A distributed resistance inverse method for flow obstacle identification from internal velocity measurements	2021 Dutch-Flemish Scientific Computing Society Spring Meeting	Jorge Aguayo, Cristóbal Bertoglio, Axel Osses	Seminar	The Netherlands	27-05-2021	<a href="https://wsc.project.cwi.nl/spring-symposium/2021-meeting">https://wsc.project.cwi.nl/spring-symposium/2021-meeting</a>
31	Medicina Computacional: Donde los computadores reemplazan a los pacientes	Ciclo de charlas de la Academia Chilena de Ciencias y el Programa Ciencia de Frontera	Daniel Hurtado	Oral presentation	Chile	26-05-2021	<a href="https://www.academiadeciencias.cl/charlas-ciencia-de-frontera/">https://www.academiadeciencias.cl/charlas-ciencia-de-frontera/</a>

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32	Water/fat separation using multiple decoder U-Net architecture (MDWF-Net) for accurate R2* measurements	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Juan Pablo Meneses, Cristobal Arrieta, Gabriel della Maggiora, Pablo Irarrazaval, Cristian Tejos, Marcelo Andia, Carlos Sing Long, and Sergio Uribe	Digital poster	United States	20-05-2021	<a href="https://cds.ismrm.org/protected/21M/Presentations/abstracts/3855.html">https://cds.ismrm.org/protected/21M/Presentations/abstracts/3855.html</a>
33	Identification of Hemodynamic Biomarkers for Bicuspid Aortic Valve Patients using Machine Learning	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Pamela Franco, Julio Sotelo, Lydia Dux-Santoy, Andrea Guala, Aroa Ruiz-Muñoz, Arturo Evangelista, José Rodríguez-Palomares, and Sergio Uribe	Digital poster	United States	20-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>
34	Impact of respiratory Gating on hemodynamic parameters from 4D flow MRI	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Esteban Denecken, Julio Sotelo, Cristobal Arrieta, Pablo Irarrazaval, Cristián Tejos, Marcelo Andia, and Sergio Uribe	Conference	United States	18-05-2021	<a href="https://ismrm-smrt21.us3.pathable.com/meetings/virtual/MCFmfm5McCCdyvveA">https://ismrm-smrt21.us3.pathable.com/meetings/virtual/MCFmfm5McCCdyvveA</a>
35	An Off-Resonance Insensitive Orthogonal CSPAMM Sequence (ORI-O-CSPAMM)	2021 ISMRM Annual Meeting	Hernán Mella, Hui Wang, Cristian Montalba, Sergio Uribe	Conference	United States	17-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>
36	A day in the life of MR Innovators	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Cristián Montalba	Conference	United States	15-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>
37	Evaluation of PASAT test performance and diffusivity indices in U-fiber regions in healthy subjects and RRMS patients	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Cristian Montalba, Tomás Labbe, Marcelo Andia, Miguel Guevara, Jean-François Mangin, Juan Pablo Cruz, Ethel Ciampi, Claudia Carcamo, Pamela Guevara, and Sergio Uribe	Digital poster	United States	15-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>
38	International Clinical Session - Working in LATAM, Challenges, and Opportunities	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Cristián Montalba	Conference	United States	15-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>

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39	Magnetic Resonance Fingerprinting GAN-Transformer: removing off-resonance artifacts	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Ronal Coronado, Gabriel della Maggiora, Carlos Castillo, Gastão Cruz, Sergio Uribe, Cristian Tejos, Claudia Prieto, and Pablo Irarrazaval	Conference	United States	15-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>
40	Automatic determination of the regularization weighting for wavelet-based compressed sensing MRI reconstructions	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Gabriel Varela-Mattatall, Corey A. Baron, Ravi S. Menon	Conference	United States	15-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>
41	Automatic WaveCS reconstruction	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Gabriel Varela	Conference	United States	15-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>
42	Automatic determination of the regularization weighting for low rank reconstruction problems	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Gabriel Varela	Conference	United States	15-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>
43	International Clinical Session - Working in LATAM, Challenges, and Opportunities	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Cristián Montalba	Conference	United States	15-05-2021	<a href="https://www.ismrm.org/21m/">https://www.ismrm.org/21m/</a>
44	Multiple Decoder Water-Fat neural network (MDWF-Net) for accurate liver PDFF and R2* quantification	ISMRM 29th Annual Meeting & Exhibition. Virtual Conference	Juan Pablo Meneses	Conference	United States	15-05-2021	<a href="https://ismrm-smrt21.us3.pathable.com/meetings/virtual/ynaEcmJsEifiTPdTR">https://ismrm-smrt21.us3.pathable.com/meetings/virtual/ynaEcmJsEifiTPdTR</a>
45	Espectroscopia por resonancia magnética en hígado	Workshop Cardio MR - Online	Aline Xavier	Workshop	Chile	12-05-2021	<a href="https://www.youtube.com/watch?v=UIWmV3UnvSw">https://www.youtube.com/watch?v=UIWmV3UnvSw</a>
46	Estratificación de riesgo en MCH	Workshop: Avances en resonancia magnética cardiovascular	Julián Vega	Workshop	Chile	11-05-2021	
47	Avances en cuantificación de T2* y el uso de Magnetic Resonance Fingerprinting	Workshop Cardio MR: Métodos de cuantificación de agua y grasa por resonancia magnética	Cristóbal Arrieta	Workshop	Chile	10-05-2021	<a href="https://zoom.us/j/99870077439?pwd=dHFMaE04MUtwTGtybzRSaEZXR3l0Zz09#success">https://zoom.us/j/99870077439?pwd=dHFMaE04MUtwTGtybzRSaEZXR3l0Zz09#success</a>
48	Avances en Métodos de Deep Learning para separación de agua y grasa en imágenes de RM	Workshop: Métodos de cuantificación de agua y grasa por resonancia magnética	Juan Pablo Meneses	Workshop	Chile	10-05-2021	
49	La cuantificación no invasiva de la grasa por resonancia magnética	Workshop REDES	Carlos Sing-Long	Workshop	Chile	10-05-2021	
50	Optimización en la adquisición de las imágenes con Machine Learning	Curso virtual de inteligencia artificial en radiología de la sociedad chilena de radiología.	Sergio Uribe	Oral presentation	Chile	23-04-2021	<a href="https://centrumeventos.com/sochradi/ia2021/">https://centrumeventos.com/sochradi/ia2021/</a>
51	A distributed resistance inverse method for flow obstacle identification from internal velocity measurements	XXXIII Jornada de Matemática de la Zona Sur	Jorge Aguayo, Cristóbal Bertoglio, Axel Osses	Conference	Chile	20-04-2021	<a href="https://www.jmzs.cl/2020/">https://www.jmzs.cl/2020/</a>

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52	Inverse problems in heart valve identification	XXXIII Jornadas matemáticas de la Zona Sur	Axel Osses	Conference	Chile	20-04-2021	<a href="https://www.jmzs.cl/2020/">https://www.jmzs.cl/2020/</a>
53	The role of MRI in prostate cancer (PCa) active surveillance	2021 Digital annual meeting. Society of abdominal radiology	Cecilia Besa	Oral presentation	United States	20-03-2021	<a href="https://abdominalradiology.org/wp-content/uploads/2020/12/SAR2021-Agenda.pdf">https://abdominalradiology.org/wp-content/uploads/2020/12/SAR2021-Agenda.pdf</a>
54	Highlights - Basic Science	SCMR Virtual Scientific sessions 2021	Sergio Uribe	Seminar	United States	20-02-2021	<a href="https://scmr2021.process.y-congress.com/scientificProcess/Schedule/?setLng=en">https://scmr2021.process.y-congress.com/scientificProcess/Schedule/?setLng=en</a>
55	Edit the CMR dawn of the MINOCA conundrum in Chile	Annual Meeting of the Society for Cardiovascular Magnetic Resonance (SCMR). Virtual Meeting	Jesús Urbina	Conference	United States	18-02-2021	<a href="https://scmr2021.process.y-congress.com/scientificProcess/Schedule/?setLng=en">https://scmr2021.process.y-congress.com/scientificProcess/Schedule/?setLng=en</a>
56	Desarrollo de un modelo lagrangeano de tiempos de residencia y riesgos en ambientes y clases para covid19 en la RM con información EOD	4° Workshop sobre modelamiento aplicado al COVID-19 en Chile. “La segunda ola y la vacunación: predicciones y desafíos”.	Tabita Catalán, Axel Osses, Carla Castillo, Héctor Ramírez, Pedro Gajardo	Workshop	Chile	29-01-2021	<a href="https://eventos.cmm.uchile.cl/4wcovid19/">https://eventos.cmm.uchile.cl/4wcovid19/</a>
57	Clinical Case: "A Nightmare"	Re-iMAGINE Echo New York Virtual Education Series	Julián Vega	Oral presentation	United States	10-01-2021	<a href="https://mashupmd.com/re-imagine-echo-new-york-virtual-education-series-2020-2021/">https://mashupmd.com/re-imagine-echo-new-york-virtual-education-series-2020-2021/</a>