

Radiology Publications 2022 – Divisions

Cell Biology and Imaging

[Dilated cardiomyopathy mutation E525K in human beta-cardiac myosin stabilizes the interacting-heads motif and super-relaxed state of myosin](#)

Rasicci, David V; Tiwari, Prince; Bodt, Skylar M L; Desetty, Rohini; Sadler, Fredrik R; Sivaramakrishnan, Sivaraj; Craig, Roger; Yengo, Christopher M (2022-11-24)

[Variants of the myosin interacting-heads motif](#)

Padrón, Raúl; Dutta, Debabrata; Craig, Roger (2022-11-08)

[Interacting-heads motif explains the X-ray diffraction pattern of relaxed vertebrate skeletal muscle](#)

Koubassova, Natalia A.; Tsaturyan, Andrey K.; Bershitsky, Sergey Y.; Ferenczi, Michael A.; Padron, Raul A.; Craig, Roger W. (2022-03-19)

[De novo lipogenesis fuels adipocyte autophagosome membrane dynamics \[preprint\]](#)

Rowland, Leslie A.; Guilherme, Adilson; Henriques, Felipe; DiMarzio, Chloe; Wetoska, Nicole; Kelly, Mark; Reddig, Keith; Hendricks, Gregory; Pan, Meixia; Han, Xianlin; et al. (2022-05-25)

[Novel gamma-sarcoglycan interactors in murine muscle membranes](#)

Smith, Tara C.; Vasilakos, Georgios; Shaffer, Scott A.; Puglise, Jason M.; Chou, Chih-Hsuan; Barton, Elisabeth R.; Luna, Elizabeth J. (2022-01-22)

[Consensus nomenclature for dyneins and associated assembly factors](#)

Braschi, Bryony; Omran, Heymut; Witman, George B.; Pazour, Gregory J.; Pfister, K. Kevin; Bruford, Elspeth A.; King, Stephen M. (2022-01-10)

Biomedical Imaging and Bioengineering

[A Smartphone Physical Activity App for Patients in Alcohol Treatment: Single-Arm Feasibility Trial](#)

Abrantes, Ana M; Meshesha, Lidia Z; E Blevins, Claire; Battle, Cynthia L; Lindsay, Clifford; Marsh, Eliza; Feltus, Sage; Buman, Matthew; Agu, Emmanuel; Stein, Michael (2022-10-19)

[Cumulative effect of simvastatin, L-arginine, and tetrahydrobiopterin on cerebral blood flow and cognitive function in Alzheimer's disease](#)

Degrush, Elizabeth; Shazeeb, Mohammed Salman; Drachman, David; Vardar, Zeynep; Lindsay, Clifford; Gounis, Matthew J; Henninger, Nils (2022-09-17)

[Characterization of optical clearing mechanisms in muscle during treatment with glycerol and gadobutrol solutions](#)

Silva, Hugo F; Martins, Inês S; Bogdanov, Alexei A. Jr.; Tuchin, Valery V; Oliveira, Luís M (2022-09-13)

[Ligand-Specific Nano-Contrast Agents Promote Enhanced Breast Cancer CT Detection at 0.5 mg Au](#)

Ramesh, Kalyan; Truong, Alice; Wang, Yuzhen; Rusckowski, Mary; Gkikas, Manos (2022-09-01)

[High-frequency optical coherence tomography predictors of aneurysm occlusion following flow diverter treatment in a preclinical model](#)

King, Robert M; Peker, Ahmet; Anagnostakou, Vania; Raskett, Christopher M; Arends, Jennifer M; Dixit, Harish G; Ughi, Giovanni J; Puri, Ajit S; Gounis, Matthew J; Shazeeb, Mohammed Salman (2022-08-24)

[A Keratinocyte-Tethered Biologic Enables Location-Precise Treatment in Mouse Vitiligo](#)

Hsueh, Ying-Chao; Wang, Yuzhen; Riding, Rebecca L; Catalano, Donna E; Lu, Yu-Jung; Richmond, Jillian M; Siegel, Don L; Rusckowski, Mary; Stanley, John R; Harris, John E (2022-07-02)

[Dual gating myocardial perfusion SPECT denoising using a conditional generative adversarial network](#)

Sun, Jingzhang; Zhang, Qi; Du, Yu; Zhang, Duo; Pretorius, P. Hendrik; King, Michael A.; Mok, Greta S. P. (2022-05-08)

[Cross-vender, cross-tracer, and cross-protocol deep transfer learning for attenuation map generation of cardiac SPECT](#)

Chen, Xiongchao; Pretorius, P. Hendrik; Zhou, Bo; Liu, Hui; Johnson, Karen L.; Liu, Yi-Hwa; King, Michael A.; Liu, Chi (2022-04-26)

[Novel Oxygen Carrier Slows Infarct Growth in Large Vessel Occlusion Dog Model Based on Magnetic Resonance Imaging Analysis](#)

Shazeeb, Mohammed S.; King, Robert M.; Anagnostakou, Vania; Vardar, Zeynep; Kraitem, Afif M.; Kolstad, Josephine; Raskett, Christopher M.; Le Moan, Natacha; Winger, Jonathan A.; Kelly, Lauren; et al. (2022-03-21)

[Imaging Net Retrograde Axonal Transport In Vivo: A Physiological Biomarker](#)

Lee, Pin-Tsun Justin; Kennedy, Zachary C.; Wang, Yuzhen; Lu, Yimeng; Cefaliello, Carolina; Uyan, Ozgun; Song, Chun-Qing; Godinho, Bruno M. D. C.; Xu, Zuoshang; Rusckowski, Mary; et al. (2022-02-17)

[Comparison of Large Animal Models for Acute Ischemic Stroke: Which Model to Use](#)

Taha, Aladdin; Gounis, Matthew J.; van Beusekom, Heleen M. M. (2022-02-15)

[AAV gene therapy for Tay-Sachs disease](#)

Flotte, Terence R.; Cataltepe, Oguz; Puri, Ajit S.; Batista, Ana Rita; Moser, Richard P.; McKenna-Yasek, Diane; Douthwright, Catherine; Gernoux, Gwladys; Blackwood, Meghan; Mueller, Christian; et al. (2022-02-10)

[Transvascular in vivo microscopy of the subarachnoid space](#)

Anagnostakou, Vania; Epshtein, Mark; Ughi, Giovanni J.; King, Robert M.; Valavanis, Antonios; Puri, Ajit S.; Gounis, Matthew J. (2022-02-03)

[MR and fluorescence imaging of gadobutrol-induced optical clearing of red fluorescent protein signal in an in vivo cancer model](#)

Kazachkina, Natalia I.; Zherdeva, Victoria V.; Meerovich, Irina G.; Saydasheva, Asiya N.; Solovyev, Ilya D.; Tuchina, Daria K.; Savitsky, Alexander P.; Tuchin, Valery V.; Bogdanov, Alexei A. Jr. (2022-02-01)

Abdominal Imaging

[ACR Appropriateness Criteria® Staging and Follow-Up of Esophageal Cancer](#)

Raptis, Constantine A; Goldstein, Alan; Henry, Travis S; Porter, Kristin K; Catenacci, Daniel; Kelly, Aine Marie; Kuzniewski, Christopher T; Lai, Andrew R; Lee, Elizabeth; Long, Jason M; et al. (2022-11-01)

[Pelvic ultrasonography of the postpartum uterus in patients presenting to the emergency room with vaginal bleeding and pelvic pain](#)

Vardar, Zeynep; Dupuis, Carolyn S; Goldstein, Alan J; Siddiqui, Efaza; Vardar, Baran Umut; Kim, Young H (2022-04-08)

[Patient-Friendly Summary of the ACR Appropriateness Criteria: Suspected Upper-Extremity Deep Vein Thrombosis](#)

Kotsis, Sandra V.; Lalani, Tasneem K. (2022-01-25)

[Patient-Friendly Summary of the ACR Appropriateness Criteria: Nontraumatic Chest Wall Pain](#)

Chu, Emily; Lalani, Tasneem K. (2022-01-22)

Breast Imaging

[ACR Appropriateness Criteria® Imaging After Breast Surgery](#)

Mehta, Tejas S; Lourenco, Ana P; Niell, Bethany L; Bennett, Debbie L; Brown, Ann; Chetlen, Alison; Freer, Phoebe; Ivansco, Lillian K; Jochelson, Maxine S; Klein, Katherine A; et al. (2022-11-01)

[Disparities in Access to Multimodality Breast Imaging Before and During the COVID-19 Pandemic](#)

DeBenedictis,Carolynn M (2022-09-06)

[Clinical Diagnoses and Outcomes After Diagnostic Breast Ultrasound by Nurses and General Practitioner Physicians in Rural Rwanda](#)

Pace, Lydia E.; Dusengimana, Jean-Marie Vianney; Hategekimana, Vedaste; Rugema, Vestine; Umwizerwa, Aline; Frost, Elisabeth; Kwait, Dylan; Schleimer, Lauren E.; Huang, ChuanChin; Shyirambere, Cyprien; et al. (2022-06-20)

[Downstream Mammary and Extramammary Cascade Services and Spending Following Screening Breast Magnetic Resonance Imaging vs Mammography Among Commercially Insured Women](#)

Ganguli, Ishani; Keating, Nancy I.; Thakore, Nitya; Lii, Joyce; Raza, Sughra; Pace, Lydia E. (2022-04-01)

[Value of BI-RADS 3 Audits](#)

Roychowdhury, Prithwjit; Vijayaraghavan, Gopal; Roubil, John G.; Williams, Imani M.; Siddiqui, Efaza; Vedantham, Srinivasan (2022-02-14)

Cardiothoracic Imaging

[Early-stage COVID-19 pandemic observations on pulmonary embolism using nationwide multi-institutional data harvesting](#)

Wismüller, Axel; DSouza, Adora M; Abidin, Anas Z; Ali Vosoughi, M; Gange, Christopher; Cortopassi, Isabel O; Bozovic, Gracijela; Bankier, Alexander A; Batra, Kiran; Chodakiewitz, Yosef; et al. (2022-08-19)

[Detection of Pulmonary Congestion in Heart Failure With Preserved Ejection Fraction Using Quantitative Chest CT](#)

Hatabu, Hiroto; Barile, Maria (2022-04-01)

Emergency Radiology

[Peer learning in emergency radiology: effects on learning, error identification, and radiologist experience](#)

Schmidt, Eric; Lo, Hao S.; Saghir, Amina (2022-04-07)

[Traumatic Intracranial Hemorrhage on CT After Ground-Level Fall in Adult Patients on Antithrombotic Therapy: A Retrospective Case-Control Study](#)

Vardar, Zeynep; Lo, Hao S.; Mariyampillai, Matthew; Kotecha, Hemang M. (2022-03-23)

Neuroradiology

[Nontraumatic brain parenchymal hemorrhage: The usual suspects and more](#)

Dundamadappa, Sathish Kumar (2022-01-05)

Neurointerventional Radiology

[Bow hunter syndrome](#)

Kühn, Anna Luisa; McGillicuddy, Gerald T; Singh, Jasmeet (2022-11-07)

[Endovascular vs Medical Management for Late Anterior Large Vessel Occlusion With Prestroke Disability: Analysis of CLEAR and RESCUE-Japan](#)

Siegler, Author S James E; Qureshi, Muhammad M; Nogueira, Raul G; Tanaka, Kanta; Nagel, Simon; Michel, Patrik; Vigilante, Nicholas; Ribo, Marc; Yamagami, Hiroshi; Yoshimura, Shinichi; et al. (2022-11-04)

[Supraclavicular Nerve Block Sympathectomy for Refractory Arterial Vasospasm During Subclavian Stenting Procedure and Entrapped Arterial Catheter](#)

Mohan, Raghav; Cox, Jessica; Puri, Ajit S; Elnazeir, Marwa; Singh, Jasmeet; Mayo, Samantha; Gebhardt, Brian R (2022-10-21)

[Global Impact of the COVID-19 Pandemic on Stroke Volumes and Cerebrovascular Events: One-Year Follow-up](#)

Nguyen, Thanh N; Qureshi, Muhammad M; Klein, Piers; Yamagami, Hiroshi; Mikulik, Robert; Czlonkowska, Anna; Abdalkader, Mohamad; Sedova, Petra; Sathya, Anvitha; Lo, Hannah C; et al. (2022-10-18)

[Reperfusion Without Functional Independence in Late Presentation of Stroke With Large Vessel Occlusion](#)

Seker, Fatih; Qureshi, Muhammad M; Möhlenbruch, Markus A; Nogueira, Raul G; Abdalkader, Mohamad; Ribo, Marc; Caparros, Francois; Haussen, Diogo C; Mohammaden, Mahmoud H; Sheth, Sunil A; et al. (2022-10-14)

[The Woven EndoBridge \(WEB\) Device for the Treatment of Intracranial Aneurysms: Ten Years of Lessons Learned and Adjustments in Practice from the WorldWideWEB Consortium](#)

Dmytriw, Adam A; Dibas, Mahmoud; Ghozy, Sherief; Adeeb, Nimer; Diestro, Jose Danilo Bengzon; Phan, Kevin; Cuellar-Saenz, Hugo H; Sweid, Ahmad; Lay, Sovann V; Guenego, Adrien; et al. (2022-09-06)

[COManeci MechANical dilation for vasospasm \(COMMAND\): multicenter experience](#)

Salem, Mohamed M; Khalife, Jane; Desai, Sohumi; Sharashidze, Vera; Badger, Clint; Kuhn, Anna L; Monteiro, Andre; Salahuddin, Hisham; Siddiqui, Adnan H; Singh, Jasmeet; et al. (2022-08-24)

[Dawn of a New Era: Super Large-Bore Aspiration Catheters for Complete Clot Ingestion During Thrombectomy for Large-Vessel Occlusions](#)

Kuhn, Anna Luisa; Singh, Jasmeet; Anagnostakou, Vania; Massari, Francesco; Gounis, Matthew J; Puri, Ajit S (2022-08-11)

[Intrasaccular flow disruption for ruptured aneurysms: an international multicenter study](#)

Diestro, Jose Danilo Bengzon; Dibas, Mahmoud; Adeeb, Nimer; Regenhardt, Robert W; Vranic, Justin E; Guenego, Adrien; Lay, Sovann V; Renieri, Leonardo; Al Balushi, Ali; Shotar, Eimad; et al. (2022-07-22)

[Transradial access for cerebral angiography and neurointerventional procedures: A meta-analysis and systematic review](#)

Rentiya, Zubir S; Kuhn, Anna Luisa; Hutnik, Robert; Shazeeb, Mohammed Salman; De Leacy, Reade A; Goldman, Daryl; Singh, Jasmeet; Puri, Ajit S (2022-07-15)

[International Controlled Study of Revascularization and Outcomes Following COVID-Positive Mechanical Thrombectomy](#)

Dmytriw, Adam A.; Kuhn, Anna L.; Puri, Ajit S.; Jabbour, Pascal (2022-07-12)

[Middle meningeal artery: An effective pathway for achieving complete obliteration following transarterial Ethylene Vinyl Copolymer \(Onyx\) embolization of dural arteriovenous fistulas](#)

Akamatsu, Yosuke; Gomez-Paz, Santiago; Tonetti, Daniel A; Vergara-Garcia, David; Moholkar, Viraj M; Kuhn, Anna Luisa; Chida, Kohei; Singh, Jasmeet; Rodrigues, Katyucia De Macedo; Massari, Francesco; et al. (2022-07-07)

[Impact of histological clot composition on preprocedure imaging and mechanical thrombectomy](#)

Johnson, Jeremiah N; Srivatsan, Aditya; Chueh, Juyu; Arslanian, Rose; Gounis, Matthew J; Puri, Ajit S; Srinivasan, Visish M; Chen, Stephen Russell; Burkhardt, Jan-Karl; Kan, Peter (2022-06-30)

[Internal Carotid Artery Pseudofenestration: A Case Report](#)

Kuhn, Anna Luisa; Puri, Ajit S; Massari, Francesco; Singh, Jasmeet (2022-06-27)

[Super large-bore ingestion of clot \(SLIC\) leads to high first pass effect in thrombectomy for large vessel occlusion](#)

Massari, Francesco; Dabus, Guilherme; Cortez, Gustavo M.; Singh, Jasmeet; Kuhn, Anna L.; Naragum, Varun; Anagnostakou, Vania; Hanel, Ricardo A.; Gounis, Matthew J.; Puri, Ajit S. (2022-06-22)

[Correlation of von Willebrand factor and platelets with acute ischemic stroke etiology and revascularization outcome: an immunohistochemical study](#)

Mereuta, Oana Madalina; Gounis, Matthew J.; Puri, Ajit S. (2022-05-20)

[Intravascular lithotripsy for severely calcified carotid artery stenosis - A new frontier in carotid artery stenting](#)

Singh, Jasmeet; Kuhn, Anna L.; Massari, Francesco; Elnazeir, Marwa; Kutcher-Diaz, Roberto; Puri, Ajit S. (2022-05-03)

[Retreatment of Residual and Recurrent Aneurysms After Embolization With the Woven EndoBridge Device: Multicenter Case Series](#)

Srinivasan, Visish M.; Puri, Ajit S.; Massari, Francesco; Kan, Peter (2022-05-01)

[Comparing treatment outcomes of various intracranial bifurcation aneurysms locations using the Woven EndoBridge \(WEB\) device](#)

Adeeb, Nimer; Kuhn, Anna L.; Puri, Ajit S. (2022-04-28)

[Multicenter Study for the Treatment of Sidewall versus Bifurcation Intracranial Aneurysms with Use of Woven EndoBridge \(WEB\)](#)

Adeeb, Nimer; Kuhn, Anna L.; Puri, Ajit S. (2022-04-19)

[Acute ischaemic stroke associated with SARS-CoV-2 infection in North America](#)

Dmytriw, Adam A.; Kuhn, Anna L.; Puri, Ajit S. (2022-04-01)

[Prospective study on embolization of intracranial aneurysms with the pipeline device \(PREMIER study\): 3-year results with the application of a flow diverter specific occlusion classification](#)

Hanel, Ricardo A.; Puri, Ajit S. (2022-03-15)

[Characteristics of a COVID-19 Cohort With Large Vessel Occlusion: A Multicenter International Study](#)

Jabbour, Pascal; Kuhn, Anna L.; Puri, Ajit S. (2022-03-07)

[Flow Diverter Reconstruction of Internal Carotid Artery \(Loop\) Dissections with or without Associated Pseudoaneurysms](#)

Kuhn, Anna L.; Singh, Jasmeet; Massari, Francesco; de Macedo Rodrigues, Katyucia; Gounis, Matthew J.; Puri, Ajit S. (2022-02-22)

[Histological composition of retrieved emboli in acute ischemic stroke is independent of pre-thrombectomy alteplase use](#)

Brinjikji, Waleed; Gounis, Matthew J.; Puri, Ajit S. (2022-02-17)

[Transradial versus transfemoral access for embolization of intracranial aneurysms with the Woven EndoBridge device: a propensity score-matched study](#)

Dibas, Mahmoud; Kuhn, Anna L.; Puri, Ajit S.; Dmytriw, Adam A. (2022-02-04)

[Acutely Symptomatic Hypoperfusion Through an Occluded Subclavian to Internal Carotid Artery Bypass Graft: Salvage Mechanical Thrombectomy and Graft Revascularization](#)

Marino Granados, Jose; Kuhn, Anna L.; Puri, Ajit S.; Massari, Francesco; Singh, Jasmeet (2022-01-02)

Oncologic and Molecular Imaging

[Abscopal regression of a lung metastasis induced by microwave ablation of locally recurrent renal cell carcinoma](#)

Wakefield, Seth; Srimathveeravalli, Govind; Yates, Jennifer; McIntosh, Lacey; Mittal, Kriti (2022-11-15)

[What's new in cancer and molecular imaging](#)

McIntosh, Lacey J (2022-08-24)

[Imaging features of toxicities associated with immune checkpoint inhibitors](#)

Gosangi, Babina; McIntosh, Lacey; Keraliya, Abhishek; Irugu, David Victor Kumar; Baheti, Akshay; Khandelwal, Ashish; Thomas, Richard; Braschi-Amirfarzan, Marta (2022-08-08)

[Importance of tumor subtypes in cancer imaging](#)

Khader, Ali; Braschi-Amirfarzan, Marta; McIntosh, Lacey J; Gosangi, Babina; Wortman, Jeremy R; Wald, Christoph; Thomas, Richard (2022-07-26)

[Interventional oncology update](#)

Newbury, Alex; Ferguson, Chantal M.; Valero, Daniel Alvarez; Kutcher-Diaz, Roberto; McIntosh, Lacey J.; Karamanian, Ara; Harman, Aaron (2022-06-20)

[Imaging response assessment for oncology: An algorithmic approach](#)

Ruchalski, Kathleen; Dewan, Rohit; Sai, Victor; McIntosh, Lacey J.; Braschi-Amirfarzan, Marta (2022-06-07)

[Teaching cancer imaging in the era of precision medicine: Looking at the big picture](#)

Chin, Christopher N.; Subhawong, Ty; Grosso, James; Wortman, Jeremy R.; McIntosh, Lacey J.; Tai, Ryan; Braschi-Amirfarzan, Marta; Castillo, Patricia; Alessandrino, Francesco (2022-03-15)

[S184: preoperative sarcopenia is associated with worse short-term outcomes following transanal total mesorectal excision \(TaTME\) for rectal cancer](#)

Springer, Jeremy E.; Beauharnais, Catherine; Chicarilli, Derek; Coderre, Danielle; Crawford, Allison; Baima, Jennifer A.; McIntosh, Lacey J.; Davids, Jennifer S.; Sturrock, Paul R.; Maykel, Justin A.; et al. (2022-01-06)

Radiology Education and Administration

[Diversity, Equity, and Inclusion Programs in Radiology: Data-Driven Strategies for Success, From the Special Series on DEI](#)

Chekmeyan, Mariam; DeBenedectis,Carolynn M (2022-10-26)

[Artificial intelligence-based decision support system \(AI-DSS\) implementation in radiology residency: Introducing residents to AI in the clinical setting](#)

Shiang, Tina; Garwood, Elisabeth; Debenedectis, Carolynn M (2022-09-26)

[Radiologists staunchly support patient safety and autonomy, in opposition to the SCOTUS decision to overturn Roe v Wade](#)

Karandikar, Aditya; Solberg, Agnieszka; Fung, Alice; Lee, Amie Y; Farooq, Amina; Taylor, Amy C; Oliveira, Amy; Narayan, Anand; Senter, Andi; Majid, Aneesa; et al. (2022-08-12)

[About artificial intelligence...](#)

Hussain, Sarwat (2022-02-01)

[Health Care Disparities in Radiology - A Review of the Current Literature](#)

DeBenedectis, Carolynn M.; Spalluto, Lucy B.; Americo, Lisa; Bishop, Casey; Mian, Asim; Sarkany, David; Kagetsu, Nolan J.; Slanetz, Priscilla J. (2022-01-01)

Translational Anatomy

[Google Images Search Results as a Resource in the Anatomy Laboratory: Rating of Educational Value](#)

Wink, Alexandra Elisabeth; Telfer, Amanda N; Pascoe, Michael A (2022-10-21)