

| Researcher | DOI | Article Title | Source |
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| Ana Lohmann | 10.1093/jnci/djab023 | Association of Obesity With Breast Cancer Outcome in Relation to Cancer Subtypes: A Meta-Analysis | JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE |
| Ana Lohmann | 10.1093/jnci/djaa082 | The Effect of Metformin vs Placebo on Sex Hormones in Canadian Cancer Trials Group MA.32 | JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE |
| Ana Lohmann | 10.1093/jnci/djaa091 | Obesity and Breast Cancer: Expanding the Hypothesis Space | JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE |
| Ana Lohmann | 10.1016/j.annonc.2020.12.014 | Diabetes, metformin and breast cancer: a tangled web | ANNALS OF ONCOLOGY |
| Ana Lohmann | 10.1093/jnci/djac067 | The Futility of Futility Analyses in Adjuvant Trials in Hormone Receptor-Positive Breast Cancer COMMENT | JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE |
| Ana Lohmann | 10.1016/j.critrevonc.2021.103566 | Radiotherapy and radiosensitization in breast cancer: Molecular targets and clinical applications | CRITICAL REVIEWS IN ONCOLOGY HEMATOLOGY |
| Armen Parsyan | 10.1016/j.breast.2021.03.011 | Anticancer effects of radiation therapy combined with Polo-Like Kinase 4 (PLK4) inhibitor CFI-40 0945 in triple negative breast cancer | BREAST |
| Armen Parsyan | 10.3390/biomedicines10030667 | Predclinical Models of Brain Metastases in Breast Cancer | BIOMEDICINES |
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| Christopher Pin | 10.1038/s41467-021-23186-w | RAS mutations drive proliferative chronic myelomonocytic leukemia via a KMT2A-PLK1 axis | NATURE COMMUNICATIONS |
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| Christopher Pin | 10.1038/s41467-022-29142-6 | Oncogenic gene expression and epigenetic remodeling of cis-regulatory elements in ASXL1-mutant chronic myelomonocytic leukemia | NATURE COMMUNICATIONS |
| Christopher Pin | 10.1016/j.jcjd.2021.09.126 | Heterogeneity of Diabetes: beta-Cells, Phenotypes, and Precision Medicine: Proceedings of an International Symposium of the Canadian Institutes of Health Research's Institute of Nutrition, Metabolism and Diabetes and the US National Institutes of Health's National Institute of Diabetes and Digestive and Kidney Diseases | CANADIAN JOURNAL OF DIABETES |
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| Christopher Pin | n/a | The Role of Histone Deacetylases in Pancreatic Ductal Adenocarcinoma | PANCREAS |
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| Eric Winquist | n/a | A Randomized Trial of Radiotherapy vs. Trans-Oral Surgery for Treatment De-Escalation in HPV-Associated Oropharyngeal Squamous Cell Carcinoma (ORATOR2) | INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS |
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| Eric Winquist | n/a | A Clinically Translatable, Extensively Validated Immune-based Classification of Human Papillomavirus-Associated Head and Neck Cancer With Implications for Treatment Deintensification and Immunotherapy | INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS |
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| Glenn S. Bauman | 10.1016/j.adro.2020.08.010 | Utilization of Salvage and Systemic Therapies for Recurrent Prostate Cancer as a Result of F-18-DCFPyl PET/CT Restaging | ADVANCES IN RADIATION ONCOLOGY |
| Glenn S. Bauman | 10.1186/s12885-021-08020-2 | Abolitive radiation therapy to restrain everything safely treatable (ARREST): study protocol for a phase I trial treating polymetastatic cancer with stereotactic radiotherapy | BMC CANCER |
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| Glenn S. Bauman | 10.1186/s13550-021-00844-0 | Short-duration dynamic [F-18]DCFPyl PET and CT perfusion imaging to localize dominant intraprostatic lesions in prostate cancer: validation against digital histopathology and comparison to [F-18]DCFPyl PET/MR at 120 minutes | EINMMI RESEARCH |
| Glenn S. Bauman | 10.1016/j.jirobp.2021.10.011 | Is Remote Learning as Effective as In-Person Learning for Contouring Education? A Prospective Comparison of Face-to-Face versus Online Delivery of the Anatomy and Radiology Contouring Bootcamp | INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS |
| Glenn S. Bauman | 10.1016/j.ecosta.2020.02.003 | Ensembling Imbalanced Spatial-Structured Support Vector Machine | ECONOMETRICS AND STATISTICS |
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| Jacques Raphael | 10.1093/oncolo/oyac085 | Utilization of Immunotherapy in Patients with Cancer Treated in Routine Care Settings: A Population-Based Study Using Health Administrative Data | ONCOLOGIST |
| Jacques Raphael | 10.1016/j.breast.2021.09.010 | The association between endocrine therapy use and osteoporotic fracture among post-menopausal women treated for early-stage breast cancer in Ontario, Canada | BREAST |
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| Jacques Raphael | 10.1186/s12885-022-09846-0 | Circulating tumor cells detected in follow-up predict survival outcomes in tri-modality management of advanced non-metastatic esophageal cancer: a secondary analysis of the QUINTETT randomized trial | BMC CANCER |
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| Jeremy Burton | 10.1177/20552173221086662 | Fecal microbiota transplantation is safe and tolerable in patients with multiple sclerosis: A pilot randomized controlled trial | MULTIPLE SCLEROSIS JOURNAL-EXPERIMENTAL TRANSLATIONAL AND CLINICAL |
| Jeremy Burton | 10.1371/journal.pone.0257471 | Deciphering the low abundance microbiota of presumed aseptic hip and knee implants | PLOS ONE |
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| Shawn Shun-Cheng Li | 10.1002/cpdd.902 | A Pharmacokinetic Bioequivalence Study of Fremanezumab Administered Subcutaneously Using an Autoinjector and a Prefilled Syringe | CLINICAL PHARMACOLOGY IN DRUG DEVELOPMENT |
| Shawn Shun-Cheng Li | 10.1200/OP.20.01105 | African Americans With p16+ and p16-Oropharyngeal Squamous Cell Carcinomas Have Distinctly Poor Treatment Outcomes Independent of Medical Care Access | JCO ONCOLOGY PRACTICE |
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| Shawn Shun-Cheng Li | 10.1002/ctm2.337 | ApTamer-SH2 superbinder-based targeted therapy for pancreatic ductal adenocarcinoma | CLINICAL AND TRANSLATIONAL MEDICINE |
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| Shawn Shun-Cheng Li | 10.1016/j.oraloncology.2022.105861 | Impact of AJCC 8th edition staging system and definitive treatment choice on the prognosis of complete responders with p16+ and p16-oropharyngeal squamous cell carcinomas | ORAL ONCOLOGY |
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| Silvia Penuela | 10.1091/mbc.E19-10-0585 | Pannexin 1 mutation found in melanoma tumor reduces phosphorylation, glycosylation, and trafficking of the channel-forming protein | MOLECULAR BIOLOGY OF THE CELL |
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| Stephen Welch | 10.1016/j.annonc.2022.02.223 | VP2-2022: Prospective double-blind, randomized phase III ENGOT-EM5/GOG-3055/SIENDO study of oral selinexor/placebo as maintenance therapy after first-line chemotherapy for advanced or recurrent endometrial cancer | ANNALS OF ONCOLOGY |
| Stephen Welch | 10.1016/j.annonc.2021.08.1193 | Survival prognostic and surrogate values of the early modeled CA-125 KELIM in newly diagnosed advanced ovarian cancer: Data from the GCG meta-analysis group | ANNALS OF ONCOLOGY |
| Stephen Welch | 10.1200/JCO.2021.39.3_suppl.411 | Predictive value of plasma tumor mutation burden (TMB) in the CCTG PA.7 trial: Gemcitabine (GEM) and nab-paclitaxel (Nab-P) vs. GEM, nab-P, durvalumab (D) and tremelimumab (T) as first-line therapy in metastatic pancreatic ductal adenocarcinoma (mPDAC). | JOURNAL OF CLINICAL ONCOLOGY |
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| Stephen Welch | 10.1016/j.thromres.2022.02.022 | Association between genetic mutations and risk of venous thromboembolism in patients with solid tumor malignancies: A systematic review and meta-analysis | THROMBOSIS RESEARCH |
| Timothy Scholl | 10.1093/ndt/ghaa036 | Tissue sodium concentrations in chronic kidney disease and dialysis patients by lower leg sodium-23 magnetic resonance imaging | NEPHROLOGY DIALYSIS TRANSPLANTATION |
| Timothy Scholl | 10.1007/s11307-021-01697-8 | A Human-derived Dual MRI/PET Reporter Gene System with High Translational Potential for Cell Tracking | MOLECULAR IMAGING AND BIOLOGY |
| Timothy Scholl | 10.1093/ckj/ckf021 | Outcomes and predictors of skin sodium concentration in dialysis patients | CLINICAL KIDNEY JOURNAL |
| Timothy Scholl | 10.1007/s11307-021-01585-1 | Multimodality In Vivo Imaging of Perfusion and Glycolysis in a Rat Model of C6 Glioma | MOLECULAR IMAGING AND BIOLOGY |
| Timothy Scholl | 10.1148/radiol.211238 | Functional Sodium MRI Helps to Measure Corticomedullary Sodium Content in Normal and Diseased Human Kidneys | RADIOLOGY |
| Timothy Scholl | 10.1007/s00467-022-05600-7 | Effects of pediatric chronic kidney disease and its etiology on tissue sodium concentration: a pilot study | PEDIATRIC NEPHROLOGY |
| Timothy Scholl | 10.1021/acs.jmedchem.2c00500 | Gadolinium-free Magnetic Resonance Imaging of the Liver via an Dtp1-Targeted Manganese(III) Porphyrin | JOURNAL OF MEDICINAL CHEMISTRY |
| Timothy Scholl | n/a | pH mapping of C6 glioma tumours following cariporide injection using AACID-CEST-MRI | MEDICAL PHYSICS |
| Timothy Scholl | n/a | Study of Cariporide Effect on Tumor Intracellular PH (pHi) Using Chemical Exchange Saturation Transfer (CEST) MRI | MEDICAL PHYSICS |
| Timothy Scholl | n/a | Monitoring the Effect of Cariporide On Intracellular PH in Brain Tumors by Chemical Exchange Saturation Transfer MRI | MEDICAL PHYSICS |
| Timothy Scholl | n/a | Intracellular Acidification Monitored by Chemical Exchange Saturation Transfer MRI: Effect of Cariporide on Rat C6 Brain Tumor | MEDICAL PHYSICS |
| Ting Yim Lee | 10.1186/s13014-021-01747-z | Predicting pathological complete response (pCR) after stereotactic ablative radiation therapy (SABR) of lung cancer using quantitative dynamic [F-18]FDG PET and CT perfusion: a prospective exploratory clinical study | RADIATION ONCOLOGY |
| Ting Yim Lee | 10.1186/s13550-020-00735-w | Kinetic analysis of dominant intraprostatic lesion of prostate cancer using quantitative dynamic [F-18]DCFPyL-PET: comparison to [F-18]fluorocholine-PET | EINMMI RESEARCH |
| Ting Yim Lee | 10.1002/acm2.13336 | Technical Note: Volumetric computed tomography for radiotherapy simulation and treatment planning | JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS |
| Ting Yim Lee | 10.1186/s13550-021-00844-0 | Short-duration dynamic [F-18]DCFPyL PET and CT perfusion imaging to localize dominant intraprostatic lesions in prostate cancer: validation against digital histopathology and comparison to [F-18]DCFPyL PET/MR at 120 minutes | EINMMI RESEARCH |
| Ting Yim Lee | 10.1007/s11307-021-01585-1 | Multimodality In Vivo Imaging of Perfusion and Glycolysis in a Rat Model of C6 Glioma | MOLECULAR IMAGING AND BIOLOGY |
| Ting Yim Lee | 10.1016/j.combiomed.2021.104231 | In-vivo lung biomechanical modeling for effective tumor motion tracking in external beam radiation therapy | COMPUTERS IN BIOLOGY AND MEDICINE |
| Ting Yim Lee | 10.3390/diagnostics1101919 | Identifying Thrombus on Non-Contrast CT in Patients with Acute Ischemic Stroke | DIAGNOSTICS |
| Ting Yim Lee | 10.1016/j.ekir.2021.02.008 | Exploring the Link Between Hepatic Perfusion and Endotoxemia in Hemodialysis | KIDNEY INTERNATIONAL REPORTS |
| Ting Yim Lee | 10.1115/1.4050129 | Evaluation of Four-Dimensional Computed Tomography as a Technique for Quantifying Carpal Motion | JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME |
| Ting Yim Lee | 10.1182/bloodadvances.2021005317 | Blood-brain barrier permeability in survivors of immune-mediated thrombotic thrombocytopenic purpura: a pilot study | BLOOD ADVANCES |
| Ting Yim Lee | 10.1016/j.jmaa.2021.106906 | The Tate-Shafarevich groups of multiform-one tori | JOURNAL OF PURE AND APPLIED ALGEBRA |
| Ting Yim Lee | 10.1002/ana.26354 | T-max Volumes Predict Final Infarct Size and Functional Outcome in Ischemic Stroke Patients Receiving Endovascular Treatment | ANNALS OF NEUROLOGY |
| Ting Yim Lee | 10.3390/app12094281 | Structure (Epicardial Stenosis) and Function (Microvascular Dysfunction) That Influence Coronary Fractional Flow Reserve Estimation | APPLIED SCIENCES-BASEL |
| Ting Yim Lee | 10.1038/s41598-020-80177-5 | Quantitative assessment of pulmonary artery occlusion using lung dynamic perfusion CT | SCIENTIFIC REPORTS |
| Ting Yim Lee | 10.3390/tomography8020091 | Noise-Based Image Harmonization Significantly Increases Repeatability and Reproducibility of Radiomics Features in PET Images: A Phantom Study | TOMOGRAPHY |
| Ting Yim Lee | 10.1016/j.adro.2022.100927 | Multimodality Imaging Assessment of the Heart Before and After Stage III Non-small Cell Lung Cancer Radiation Therapy | ADVANCES IN RADIATION ONCOLOGY |
| Ting Yim Lee | 10.1002/mp.15786 | Fast beta-emitter Monte Carlo simulations and full patient dose calculations of targeted radionuclide therapy: introducing egs_mird | MEDICAL PHYSICS |
| Ting Yim Lee | 10.3390/tomography8020092 | Effect of Cardiac Phase on Cardiac Output Index Derived from Dynamic CT Myocardial Perfusion Imaging | TOMOGRAPHY |
| Ting Yim Lee | 10.3390/nu1124315 | Differential and Synergistic Effects of Low Birth Weight and Western Diet on Skeletal Muscle Vasculature, Mitochondrial Lipid Metabolism and Insulin Signaling in Male Guinea Pigs | NUTRIENTS |
| Ting Yim Lee | n/a | Evaluation of motion artifacts in 4D-CT simulated from volumetric dynamic CT in non-small cell lung cancer patients | MEDICAL PHYSICS |
| Ting Yim Lee | n/a | Chemoradiation With or Without Metformin in Locally Advanced Cervical Cancer: Phase II Randomized Trial | INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS |
| Ting Yim Lee | n/a | CHEMORADIATION WITH OR WITHOUT METFORMIN IN LOCALLY ADVANCED CERVICAL CANCER: PHASE II RANDOMIZED TRIAL | RADIOTHERAPY AND ONCOLOGY |
| Ting Yim Lee | 10.1117/12.2549121 | Sparse-view CT perfusion with filtered back projection image reconstruction | MEDICAL IMAGING 2020: BIOMEDICAL APPLICATIONS IN MOLECULAR, STRUCTURAL, AND FUNCTIONAL IMAGING |
| Ting Yim Lee | 10.1117/12.2611249 | Quality versus quantity of dynamic CT perfusion images at isodose | MEDICAL IMAGING 2022: BIOMEDICAL APPLICATIONS IN MOLECULAR, STRUCTURAL, AND FUNCTIONAL IMAGING |
| Ting Yim Lee | 10.3389/fonc.2022.863848 | Imaging Biomarkers in Prostate Stereotactic Body Radiotherapy: A Review and Clinical Trial Protocol | FRONTIERS IN ONCOLOGY |
| Trevor Shepherd | 10.1007/s00262-021-03118-9 | MAIT cells accumulate in ovarian cancer-elicited ascites where they retain their capacity to respond to MR1 ligands and cytokine cues | CANCER IMMUNOLOGY IMMUNOTHERAPY |
| Trevor Shepherd | 10.1038/s41598-022-06796-2 | Loss of LKB1-NUAK1 signalling enhances NF-kappa B activity in a spheroid model of high-grade serous ovarian cancer | SCIENTIFIC REPORTS |
| Trevor Shepherd | 10.1007/s10585-021-10136-5 | Molecular and cellular mechanisms controlling integrin-mediated cell adhesion and tumor progression in ovarian cancer metastasis: a review | CLINICAL & EXPERIMENTAL METASTASIS |
| Trevor Shepherd | 10.1186/s13008-022-00079-y | Principles of dormancy evident in high-grade serous ovarian cancer | CELL DIVISION |
| Wei-Ping Min | 10.1038/s41419-021-03417-0 | HDAC4 promotes nasopharyngeal carcinoma progression and serves as a therapeutic target | CELL DEATH & DISEASE |
| Wei-Ping Min | 10.1038/s41388-021-01692-x | CRISPR/Cas9 library screening uncovered methylated PKP2 as a critical driver of lung cancer radioresistance by stabilizing beta-catenin | ONCOGENE |
| Wei-Ping Min | 10.1088/1361-6528/abdbed | A novel multifunctional gold nanorod-mediated and tumor-targeted gene silencing of GPC-3 synergizes photothermal therapy for liver cancer | NANOTECHNOLOGY |
| Wei-Ping Min | 10.1016/j.healun.2021.03.025 | Preventing alloimmune rejection using circular RNA FSCN1-silenced dendritic cells in heart transplantation | JOURNAL OF HEART AND LUNG TRANSPLANTATION |
| Wei-Ping Min | 10.3390/jms23010250 | TdIF1-LSD1 Axis Regulates Epithelial-Mesenchymal Transition and Metastasis via Histone Demethylation of E-Cadherin Promoter in Lung Cancer | INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES |
| Wei-Ping Min | 10.3389/fimmu.2020.584937 | Reduced CD5 on CD8(+) T Cells in Tumors but Not Lymphoid Organs Is Associated With Increased Activation and Effector Function | FRONTIERS IN IMMUNOLOGY |
| Wei-Ping Min | 10.2166/ws.2022.197 | Impacts of changing conditions on the ecological environment of the Shiyang river basin, China | WATER SUPPLY |
| Wei-Ping Min | 10.1016/j.cca.2022.04.881 | Performance evaluation of a targeted next-generation sequencing-based CYP2D6 genotyping method | CLINICA CHIMICA ACTA |
| Wei-Ping Min | 10.1016/j.cca.2022.04.207 | Monitoring of the proportion of unacceptable specimen for laboratory quality improvement | CLINICA CHIMICA ACTA |
| Wei-Ping Min | 10.1016/j.cca.2022.04.583 | Hemotocrit is a predictive marker for inaccurate interpretation of arterial blood gas analysis caused by inadequate sample mixing | CLINICA CHIMICA ACTA |
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| Wei-Ping Min | 10.3390/life11050381 | The Role of Tumor-Derived Exosomes in the Abscopal Effect and Immunotherapy | LIFE-BASEL |
| Aaron Fenster | 10.1109/IBHI.2021.3060163 | Deep Learning-Based Measurement of Total Plaque Area in B-Mode Ultrasound Images | IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS |
| Aaron Fenster | 10.1109/TIP.2021.3064268 | Thangka Mural inpainting Based on Multi-Scale Adaptive Partial Convolution and Stroke-Like Mask | IEEE TRANSACTIONS ON IMAGE PROCESSING |
| Aaron Fenster | 10.1016/j.media.2021.102107 | Ultra-short echo-time magnetic resonance imaging lung segmentation with under-Annotations and domain shift | MEDICAL IMAGE ANALYSIS |
| Aaron Fenster | 10.1117/12.2580772 | Spatially tracked three-dimensional ultrasound imaging for monitoring the synovial membrane in knee arthritis | MEDICAL IMAGING 2021: ULTRASONIC IMAGING AND TOMOGRAPHY |
| Aaron Fenster | 10.1002/mp.14768 | Development of a mechatronic guidance system for targeted ultrasound-guided biopsy under high-resolution positron emission mammography localization | MEDICAL PHYSICS |
| Aaron Fenster | 10.1002/mp.15050 | Design and validation of an MRI-compatible mechatronic system for needle delivery to localized prostate cancer | MEDICAL PHYSICS |
| Aaron Fenster | 10.1016/j.ultrasmedbio.2021.05.023 | DEEP LEARNING-BASED CAROTID PLAQUE SEGMENTATION FROM B-MODE ULTRASOUND IMAGES | ULTRASOUND IN MEDICINE AND BIOLOGY |
| Aaron Fenster | 10.1117/12.2549624 | Three-dimensional ultrasound for monitoring knee inflammation and cartilage damage in osteoarthritis and rheumatoid arthritis | MEDICAL IMAGING 2020: IMAGE-GUIDED PROCEDURES, ROBOTIC INTERVENTIONS, AND MODELING |
| Aaron Fenster | 10.1016/j.brachy.2020.07.010 | Physics Characterization and registration of 3D ultrasound for use in permanent breast seed implant brachytherapy treatment planning | BRACHYTHERAPY |
| Aaron Fenster | 10.1155/2021/3425893 | Multilevel Strip Pooling-Based Convolutional Neural Network for the Classification of Carotid Plaque Echogenicity | COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE |
| Aaron Fenster | 10.3390/metabo12010078 | Improving Infant Hydrocephalus Outcomes in Uganda: A Longitudinal Prospective Study Protocol for Predicting Developmental Outcomes and Identifying Patients at Risk for Early Treatment Failure after ETV/CPC | METABOLITES |
| Aaron Fenster | 10.1002/mp.15175 | Feasibility of fusing three-dimensional transabdominal and transrectal ultrasound images for comprehensive intraoperative visualization of gynecologic brachytherapy applicators | MEDICAL PHYSICS |

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| Aaron Fenster | 10.1016/j.brachy.2020.08.024 | Dosimetry of a sonolucent material for an ultrasound-compatible gynecologic high-dose-rate brachytherapy cylinder using Monte Carlo simulation and radiochromic film | BRACHYTHERAPY |
| Aaron Fenster | 10.1117/12.2549664 | Automatic needle localization in intraoperative 3D transvaginal ultrasound images for high-dose-rate interstitial gynecologic brachytherapy | MEDICAL IMAGING 2020: IMAGE-GUIDED PROCEDURES, ROBOTIC INTERVENTIONS, AND MODELING |
| Aaron Fenster | 10.1117/12.2549841 | Assessment of therapy applicator targeting with a mechanically assisted 3D ultrasound system for minimally invasive focal liver tumor therapy | MEDICAL IMAGING 2020: IMAGE-GUIDED PROCEDURES, ROBOTIC INTERVENTIONS, AND MODELING |
| Aaron Fenster | 10.1117/12.2581103 | Wireless oscillating device for power Doppler-based interstitial needle tip identification | MEDICAL IMAGING 2021: ULTRASONIC IMAGING AND TOMOGRAPHY |
| Aaron Fenster | n/a | VALIDATION OF A THREE DIMENSIONAL MUSCULOSKELETAL ULTRASOUND SYSTEM FOR USE IN HANDS AND WRISTS | OSTEOARTHRITIS AND CARTILAGE |
| Aaron Fenster | n/a | Tumour Coverage Evaluation for Percutaneous Liver Tumour Ablations: 2D US vs 3D US | MEDICAL PHYSICS |
| Aaron Fenster | 10.1117/12.2611506 | Toward three-dimensional ultrasound image fusion for the guidance of gynecological brachytherapy procedures | MEDICAL IMAGING 2022: ULTRASONIC IMAGING AND TOMOGRAPHY |
| Aaron Fenster | 10.1117/12.2607552 | Toward point-of-care breast cancer diagnosis: Validation of a spatially tracked automated 3D ultrasound system | MEDICAL IMAGING 2022: ULTRASONIC IMAGING AND TOMOGRAPHY |
| Aaron Fenster | n/a | Three-dimensional transvaginal ultrasound guidance for gynecologic perineal template interstitial brachytherapy | MEDICAL PHYSICS |
| Aaron Fenster | 10.1002/mp.15559 | Technical Note: Commissioning of an ultrasound-compatible surrogate vaginal cylinder for transvaginal ultrasound-based gynecologic high-dose-rate brachytherapy | MEDICAL PHYSICS |
| Aaron Fenster | n/a | THREE-DIMENSIONAL ULTRASOUND FOR ASSESSMENT OF SYNOVITIS IN CARPOMETACARPAL OSTEOARTHRITIS PATIENTS | OSTEOARTHRITIS AND CARTILAGE |
| Aaron Fenster | 10.1002/mp.15632 | Spatially tracked whole-breast three-dimensional ultrasound system toward point-of-care breast cancer screening in high-risk women with dense breasts | MEDICAL PHYSICS |
| Aaron Fenster | n/a | SYNOVIAL EFFUSION AND HYPERPLASIA: DISTINCT CONSTRUCTS IN KNEE OSTEOARTHRITIS | OSTEOARTHRITIS AND CARTILAGE |
| Aaron Fenster | 10.1117/12.2611282 | Robust registration and phantom validation of mechatronics-assisted MRI-guided needle delivery for prostate focal laser ablation therapy | MEDICAL IMAGING 2022: IMAGE-GUIDED PROCEDURES, ROBOTIC INTERVENTIONS, AND MODELING |
| Aaron Fenster | n/a | RELIABILITY AND CONCURRENT VALIDITY OF THREE-DIMENSIONAL ULTRASOUND FOR QUANTIFYING KNEE CARTILAGE VOLUME | OSTEOARTHRITIS AND CARTILAGE |
| Aaron Fenster | n/a | Quantitative Dimension Estimation and Clinical Utility of Three-Dimensional Ultrasound in Oral Cavity Tumors | MEDICAL PHYSICS |
| Aaron Fenster | 10.1155/2022/2014349 | Object-Specific Four-Path Network for Stroke Risk Stratification of Carotid Arteries in Ultrasound Images | COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE |
| Aaron Fenster | n/a | Multi-channel applicator reconstruction in 3D ultrasound using a surrogate vaginal cylinder | MEDICAL PHYSICS |
| Aaron Fenster | n/a | Mechatronics-Assisted MRI-Guided Focal Laser Ablation of the Prostate: A Phantom Study | MEDICAL PHYSICS |
| Aaron Fenster | 10.1117/12.2611864 | Intra-procedural evaluation of tumor coverage using 3D US images for percutaneous focal liver thermal ablation | MEDICAL IMAGING 2022: IMAGE-GUIDED PROCEDURES, ROBOTIC INTERVENTIONS, AND MODELING |
| Aaron Fenster | n/a | Fusion of three-dimensional ultrasound images for the guidance of gynecological brachytherapy treatments | MEDICAL PHYSICS |
| Aaron Fenster | 10.1088/1361-6560/ac5a93 | Effect of dataset size, image quality, and image type on deep learning-based automatic prostate segmentation in 3D ultrasound | PHYSICS IN MEDICINE AND BIOLOGY |
| Aaron Fenster | 10.1117/12.2612730 | Development of a novel, dual-modality image guidance system by combining a focussed gamma probe with ultrasound imaging | MEDICAL IMAGING 2022: IMAGE-GUIDED PROCEDURES, ROBOTIC INTERVENTIONS, AND MODELING |
| Aaron Fenster | 10.3390/imaging7080154 | Design of an Ultrasound-Navigated Prostate Cancer Biopsy System for Nationwide Implementation in Senegal | JOURNAL OF IMAGING |
| Aaron Fenster | n/a | Design of a patient-specific whole-breast 3D ultrasound device for point-of-care imaging | MEDICAL PHYSICS |
| Aaron Fenster | n/a | Deep learning-based prostate segmentation in 3D ultrasound: a study of dataset size and its effect on performance | MEDICAL PHYSICS |
| Aaron Fenster | 10.1117/12.2549804 | Deep learning-based automatic prostate segmentation in 3D transrectal ultrasound images from multiple acquisition geometries and systems | MEDICAL IMAGING 2020: IMAGE-GUIDED PROCEDURES, ROBOTIC INTERVENTIONS, AND MODELING |
| Aaron Fenster | n/a | Deep Learning Prostate Segmentation in 3D Ultrasound and the Impact of Image Quality and Training Dataset Size | MEDICAL PHYSICS |
| Aaron Fenster | n/a | Dedicated Point Of Care Whole-Breast 3D Ultrasound Device | MEDICAL PHYSICS |
| Aaron Fenster | n/a | Clinical validation of a power Doppler-based needle visualization method in high-dose-rate prostate brachytherapy procedures | MEDICAL PHYSICS |
| Aaron Fenster | n/a | Automatic Spatial Registration System for Whole-Breast Three-Dimensional Ultrasound | MEDICAL PHYSICS |
| Aaron Fenster | 10.1117/12.2581749 | Automatic Deep Learning-Based Segmentation of Neonatal Cerebral Ventricles from 3D Ultrasound Images | MEDICAL IMAGING 2021: BIOMEDICAL APPLICATIONS IN MOLECULAR, STRUCTURAL, AND FUNCTIONAL IMAGING |
| Aaron Fenster | n/a | Automated thyroid nodule detection and segmentation in ultrasound images using contrastive unsupervised representations learning | MEDICAL PHYSICS |
| Aaron Fenster | 10.1002/mp.15432 | Automated 3D U-net based segmentation of neonatal cerebral ventricles from 3D ultrasound images | MEDICAL PHYSICS |
| Aaron Fenster | 10.1117/12.2549731 | A mechatronic guidance system for positron emission mammography and ultrasound-guided breast biopsy | MEDICAL IMAGING 2020: IMAGE-GUIDED PROCEDURES, ROBOTIC INTERVENTIONS, AND MODELING |
| Aaron Fenster | n/a | A Novel Wireless Mechanical Oscillator for Power Doppler-Based Needle Tip Identification in Brachytherapy | MEDICAL PHYSICS |
| Aaron Fenster | 10.1117/12.2612085 | A 2D/3D US/CT-guided system for percutaneous focal liver thermal ablation | MEDICAL IMAGING 2022: IMAGE-GUIDED PROCEDURES, ROBOTIC INTERVENTIONS, AND MODELING |
| Aaron Fenster | n/a | 6A-4 Development of a spatially tracked three-dimensional ultrasound system for whole-breast imaging Development of a spatially tracked three-dimensional ultrasound system for whole-breast imaging | MEDICAL PHYSICS |
| Aaron Fenster | 10.1117/12.2613001 | 3D Ultrasound for Diagnosis and Tracking of Synovitis in First Carpometacarpal Osteoarthritis | MEDICAL IMAGING 2022: ULTRASONIC IMAGING AND TOMOGRAPHY |
| Bogumil Karas | 10.1016/j.cell.2021.03.008 | Genetic requirements for cell division in a genomically minimal cell | CELL |
| Bogumil Karas | 10.1093/plphys/kiab204 | Intragenic complementation at the Lotus japonicus CELLULOSE SYNTHASE-LIKE D1 locus rescues root hair defects | PLANT PHYSIOLOGY |
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