

Stanford



Matthew Lungren

Assistant Professor of Radiology (Pediatric Radiology) at the Stanford University Medical Center

Radiology - Pediatric Radiology

CLINICAL OFFICES

- **LPCH Pediatric Interventional Radiology**

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Bio

CLINICAL FOCUS

- Interventional Radiology
- Diagnostic Radiology

ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Radiology - Pediatric Radiology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Co-Director, Stanford Center for Artificial Intelligence in Medicine and Imaging, (2018- present)

HONORS AND AWARDS

- Faculty of the Year, Stanford Radiology (2018)
- Caffey Award, Society for Pediatric Radiology (2017)
- Association of University Radiologists Radiology Research Fellowship Award (GERRAF), Association of University Radiologists (2016)
- Lucile Packard Child Health Research Institute Endowed Clinical Faculty in Pediatric Radiology, Lucile Packard Children's Hospital (2016)
- Etta Kalin Moskowitz Radiology Research Award, Stanford (2015)
- Research & Education Foundation Roentgen Resident/Fellow Research Award, Radiological Society of North America (2012)
- Rhoads Research Foundation Award, American Society for Parenteral and Enteral Nutrition (2012)
- Society of Interventional Radiology Foundation Grant Award, Society of Interventional Radiology (2012)
- Introduction to Academic Radiology Program Scholarship Award, Radiological Society of North America (2010)
- AOA Medical Honors Society, University of Michigan Medical School (2007)
- Outstanding Scholar Award, University of Michigan Medical School Department of Radiology (2007)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Radiology, American Board of Radiology (2018)
- Fellowship: Cincinnati Childrens Hospital and Medical Center Radiology Fellowships (2014) OH
- Fellowship: Duke University Interventional Radiology Fellowship (2013) NC
- Residency: Duke University Radiology Residency (2012) NC
- Board Certification, American Board of Radiology , Pediatric Radiology (2018)
- Board Certification: Diagnostic Radiology, American Board of Radiology (2012)
- Fellow, Cincinnati Children's Medical Center , Pediatric Radiology and Interventional Radiology
- Fellow, Duke University Medical Center , Interventional Radiology
- Resident, Duke University Medical Center , Radiology
- MD, University of Michigan Medical School
- MPH, University of North Carolina Gillings School of Global Public Health

Research & Scholarship

CLINICAL TRIALS

- Study of SRP-4045 and SRP-4053 in DMD Patients, Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Anuj Pareek

Publications

PUBLICATIONS

- **Preparing Medical Imaging Data for Machine Learning.** *Radiology*
Willemink, M. J., Koszek, W. A., Hardell, C., Wu, J., Fleischmann, D., Harvey, H., Folio, L. R., Summers, R. M., Rubin, D. L., Lungren, M. P.
2020: 192224
- **A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop** *RADIOLOGY*
Langlotz, C. P., Allen, B., Erickson, B. J., Kalpathy-Cramer, J., Bigelow, K., Cook, T. S., Flanders, A. E., Lungren, M. P., Mendelson, D. S., Rudie, J. D., Wang, G., Kandarpa, K.
2019; 291 (3): 781–91
- **Comparative effectiveness of convolutional neural network (CNN) and recurrent neural network (RNN) architectures for radiology text report classification.** *Artificial intelligence in medicine*
Banerjee, I., Ling, Y., Chen, M. C., Hasan, S. A., Langlotz, C. P., Moradzadeh, N., Chapman, B., Amrhein, T., Mong, D., Rubin, D. L., Farri, O., Lungren, M. P.
2018
- **Assessment of Convolutional Neural Networks for Automated Classification of Chest Radiographs.** *Radiology*
Dunnmon, J. A., Yi, D., Langlotz, C. P., Re, C., Rubin, D. L., Lungren, M. P.
2018: 181422
- **Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet** *PLOS MEDICINE*
Bien, N., Rajpurkar, P., Ball, R. L., Irvin, J., Park, A., Jones, E., Bereket, M., Patel, B. N., Yeom, K. W., Shpanskaya, K., Halabi, S., Zucker, E., Fanton, et al
2018; 15 (11)

- **Deep learning for chest radiograph diagnosis: A retrospective comparison of the CheXNeXt algorithm to practicing radiologists.** *PLoS medicine*
Rajpurkar, P., Irvin, J., Ball, R. L., Zhu, K., Yang, B., Mehta, H., Duan, T., Ding, D., Bagul, A., Langlotz, C. P., Patel, B. N., Yeom, K. W., Shpanskaya, et al
2018; 15 (11): e1002686
- **Deep learning for chest radiograph diagnosis: A retrospective comparison of the CheXNeXt algorithm to practicing radiologists** *PLOS MEDICINE*
Rajpurkar, P., Irvin, J., Ball, R. L., Zhu, K., Yang, B., Mehta, H., Duan, T., Ding, D., Bagul, A., Langlotz, C. P., Patel, B. N., Yeom, K. W., Shpanskaya, et al
2018; 15 (11)
- **Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet.** *PLoS medicine*
Bien, N., Rajpurkar, P., Ball, R. L., Irvin, J., Park, A., Jones, E., Bereket, M., Patel, B. N., Yeom, K. W., Shpanskaya, K., Halabi, S., Zucker, E., Fanton, et al
2018; 15 (11): e1002699
- **Performance of a Deep-Learning Neural Network Model in Assessing Skeletal Maturity on Pediatric Hand Radiographs** *RADIOLOGY*
Larson, D. B., Chen, M. C., Lungren, M. P., Halabi, S. S., Stence, N. V., Langlotz, C. P.
2018; 287 (1): 313–22
- **Deep Learning to Classify Radiology Free-Text Reports** *RADIOLOGY*
Chen, M. C., Ball, R. L., Yang, L., Moradzadeh, N., Chapman, B. E., Larson, D. B., Langlotz, C. P., Amrhein, T. J., Lungren, M. P.
2018; 286 (3): 845–52
- **Radiology report annotation using intelligent word embeddings: Applied to multi-institutional chest CT cohort** *JOURNAL OF BIOMEDICAL INFORMATICS*
Banerjee, I., Chen, M. C., Lungren, M. P., Rubin, D. L.
2018; 77: 11–20
- **Performance of a Machine Learning Classifier of Knee MRI Reports in Two Large Academic Radiology Practices: A Tool to Estimate Diagnostic Yield.** *AJR. American journal of roentgenology*
Hassanpour, S., Langlotz, C. P., Amrhein, T. J., Befera, N. T., Lungren, M. P.
2017: 1-4
- **CheXNet: Radiologist-Level Pneumonia Detection on Chest X-Rays with Deep Learning** *ArXiv*
Rajpurkar, P. S., Irvin, J., Zhu, K., Yang, B., Mehta, H., Duan, T., Ding, D., Bagul, A., Langlotz, C. P., Shpanskaya, K., Lungren, M. P., Ng, A.
2017; 1711.05225
- **MIMIC-CXR, a de-identified publicly available database of chest radiographs with free-text reports.** *Scientific data*
Johnson, A. E., Pollard, T. J., Berkowitz, S. J., Greenbaum, N. R., Lungren, M. P., Deng, C., Mark, R. G., Horng, S.
2019; 6 (1): 317
- **Pediatric Interventional Oncology: Endovascular, Percutaneous, and Palliative Procedures.** *Seminars in roentgenology*
Shpanskaya, K., Lungren, M. P., Tulin-Silver, S.
2019; 54 (4): 359–66
- **Development and Performance of the Pulmonary Embolism Result Forecast Model (PERFORM) for Computed Tomography Clinical Decision Support.** *JAMA network open*
Banerjee, I., Sofela, M., Yang, J., Chen, J. H., Shah, N. H., Ball, R., Mushlin, A. I., Desai, M., Bledsoe, J., Amrhein, T., Rubin, D. L., Zamanian, R., Lungren, et al
2019; 2 (8): e198719
- **Comparative effectiveness of convolutional neural network (CNN) and recurrent neural network (RNN) architectures for radiology text report classification** *ARTIFICIAL INTELLIGENCE IN MEDICINE*
Banerjee, I., Ling, Y., Chen, M. C., Hasan, S. A., Langlotz, C. P., Moradzadeh, N., Chapman, B., Amrhein, T., Mong, D., Rubin, D. L., Farri, O., Lungren, M. P.
2019; 97: 79–88
- **Deep learning to automate Brasfield chest radiographic scoring for cystic fibrosis.** *Journal of cystic fibrosis : official journal of the European Cystic Fibrosis Society*
Zucker, E. J., Barnes, Z. A., Lungren, M. P., Shpanskaya, Y., Seekins, J. M., Halabi, S. S., Larson, D. B.
2019
- **A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop.** *Radiology*
Langlotz, C. P., Allen, B., Erickson, B. J., Kalpathy-Cramer, J., Bigelow, K., Cook, T. S., Flanders, A. E., Lungren, M. P., Mendelson, D. S., Rudie, J. D., Wang, G., Kandarpa, K.

2019; 190613

- **Technical Feasibility and Clinical Effectiveness of Transjugular Intrahepatic Portosystemic Shunt Creation in Pediatric and Adolescent Patients** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Bertino, F., Hawkins, C., Shivaram, G., Gill, A. E., Lungren, M. P., Reposar, A., Sze, D. Y., Hwang, G. L., Koo, K., Monroe, E.
2019; 30 (2): 178–86
- **Technical Feasibility and Clinical Effectiveness of Transjugular Intrahepatic Portosystemic Shunt Creation in Pediatric and Adolescent Patients.** *Journal of vascular and interventional radiology : JVIR*
Bertino, F., Hawkins, C. M., Shivaram, G., Gill, A. E., Lungren, M. P., Reposar, A., Sze, D. Y., Hwang, G. L., Koo, K., Monroe, E.
2019; 30 (2): 178
- **Assessment of Convolutional Neural Networks for Automated Classification of Chest Radiographs** *RADIOLOGY*
Dunnmon, J. A., Yi, D., Langlotz, C. P., Re, C., Rubin, D. L., Lungren, M. P.
2019; 290 (2): 537–44
- **Comparison of Transjugular Liver Biopsy and Percutaneous Liver Biopsy with Tract Embolization in Pediatric Patients.** *Journal of pediatric gastroenterology and nutrition*
Tulin-Silver, S., Lungren, M.
2019
- **Human-machine partnership with artificial intelligence for chest radiograph diagnosis.** *NPJ digital medicine*
Patel, B. N., Rosenberg, L., Willcox, G., Baltaxe, D., Lyons, M., Irvin, J., Rajpurkar, P., Amrhein, T., Gupta, R., Halabi, S., Langlotz, C., Lo, E., Mammarrappallil, et al
2019; 2: 111
- **CheXpert: A Large Chest Radiograph Dataset with Uncertainty Labels and Expert Comparison**
Irvin, J., Rajpurkar, P., Ko, M., Yu, Y., Ciurea-Ilcus, S., Chute, C., Marklund, H., Haghgoo, B., Ball, R., Shpanskaya, K., Seekins, J., Mong, D. A., Halabi, et al
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2019: 590–97
- **Erratum: Author Correction: Human-machine partnership with artificial intelligence for chest radiograph diagnosis.** *NPJ digital medicine*
Patel, B. N., Rosenberg, L., Willcox, G., Baltaxe, D., Lyons, M., Irvin, J., Rajpurkar, P., Amrhein, T., Gupta, R., Halabi, S., Langlotz, C., Lo, E., Mammarrappallil, et al
2019; 2: 129
- **Machine Learning for the Interventional Radiologist.** *AJR. American journal of roentgenology*
Meek, R. D., Lungren, M. P., Gichoya, J. W.
2019: 1–3
- **Deep Learning-Assisted Diagnosis of Cerebral Aneurysms Using the HeadXNet Model.** *JAMA network open*
Park, A., Chute, C., Rajpurkar, P., Lou, J., Ball, R. L., Shpanskaya, K., Jabarkheel, R., Kim, L. H., McKenna, E., Tseng, J., Ni, J., Wishah, F., Wittber, et al
2019; 2 (6): e195600
- **Albumin-Bilirubin Score: An Accurate Predictor of Hepatic Decompensation in High-Risk Patients Undergoing Transarterial Chemoembolization for Hepatocellular Carcinoma** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Mohammed, M., Khalaf, M. H., Liang, T., Wang, D. S., Lungren, M. P., Rosenberg, J., Kothary, N.
2018; 29 (11): 1527–34
- **Orthotopic Liver Transplantation After Stereotactic Body Radiotherapy for Pediatric Hepatocellular Carcinoma with Central Biliary Obstruction and Nodal Involvement.** *Cureus*
Chen, E., Rangaswami, A., Esquivel, C. O., Concepcion, W., Lungren, M., Thakor, A. S., Yoo, C. H., Donaldson, S. S., Hiniker, S. M.
2018; 10 (10): e3499
- **Orthotopic Liver Transplantation After Stereotactic Body Radiotherapy for Pediatric Hepatocellular Carcinoma with Central Biliary obstruction and Nodal Involvement** *CUREUS*
Chen, E., Rangaswami, A., Esquivel, C., Concepcion, W., Lungren, M., Thakor, A. S., Yoo, C. H., Donaldson, S. S., Hiniker, S. M.
2018; 10 (10)
- **Albumin-Bilirubin Score: An Accurate Predictor of Hepatic Decompensation in High-Risk Patients Undergoing Transarterial Chemoembolization for Hepatocellular Carcinoma.** *Journal of vascular and interventional radiology : JVIR*
Mohammed, M. A., Khalaf, M. H., Liang, T., Wang, D. S., Lungren, M. P., Rosenberg, J., Kothary, N.

2018

- **Comparison of Transjugular Liver Biopsy and Percutaneous Liver Biopsy With Tract Embolization in Pediatric Patients** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*
Tulin-Silver, S., Obi, C., Kothary, N., Lungren, M. P.
2018; 67 (2): 180–84
- **RASA1-RELATED DISORDERS**
Stevenson, D. A., Wooderchak-Donahue, W., Johnson, P., McDonald, J., Teng, J. M., Lungren, M., Bayrak-Toydemir, P.
WILEY.2018: 1531–32
- **Transarterial chemoembolization in children to treat unresectable hepatocellular carcinoma** *PEDIATRIC TRANSPLANTATION*
Weiss, K. E., Sze, D. Y., Rangaswami, A. A., Esquivel, C. O., Concepcion, W., Lebowitz, E. A., Kothary, N., Lungren, M. P.
2018; 22 (4)
- **Transarterial chemoembolization in children to treat unresectable hepatocellular carcinoma.** *Pediatric transplantation*
Weiss, K. E., Sze, D. Y., Rangaswami, A. A., Esquivel, C. O., Concepcion, W., Lebowitz, E. A., Kothary, N., Lungren, M. P.
2018: e13187
- **Role of interventional radiology in managing pediatric liver tumors** *PEDIATRIC RADIOLOGY*
Lungren, M. P., Towbin, A. J., Roebuck, D. J., Monroe, E. J., Gill, A. E., Thakor, A., Towbin, R. B., Cahill, A., Hawkins, C.
2018; 48 (4): 555–64
- **Role of interventional radiology in managing pediatric liver tumors** *PEDIATRIC RADIOLOGY*
Hawkins, C., Towbin, A. J., Roebuck, D. J., Monroe, E. J., Gill, A. E., Thakor, A. S., Towbin, R. B., Cahill, A., Lungren, M. P.
2018; 48 (4): 565–80
- **Role of interventional radiology in managing pediatric liver tumors : Part 2: percutaneous interventions.** *Pediatric radiology*
Matthew Hawkins, C., Towbin, A. J., Roebuck, D. J., Monroe, E. J., Gill, A. E., Thakor, A. S., Towbin, R. B., Cahill, A. M., Lungren, M. P.
2018; 48 (4): 565–80
- **Artificial Swarm Intelligence employed to Amplify Diagnostic Accuracy in Radiology**
Rosenberg, L., Lungren, M., Halabi, S., Willcox, G., Baltaxe, D., Lyons, M., Chakrabarti, S., Saha, H. N.
IEEE.2018: 1186–91
- **Treatment of Low-Flow Vascular Malformations of the Extremities Using MR-Guided High Intensity Focused Ultrasound: Preliminary Experience** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Ghanouni, P., Kishore, S., Lungren, M. P., Bitton, R., Chan, L., Avedian, R., Bazzocchi, A., Pauly, K., Napoli, A., Hovsepian, D. M.
2017; 28 (12): 1739–44
- **Single-stick tunneled central venous access using the jugular veins in infants weighing less than 5 kg** *PEDIATRIC RADIOLOGY*
Lindquister, W. S., Hawkins, C., Monroe, E. J., Gill, A. E., Shivaram, G. M., Seidel, F., Lungren, M. P.
2017; 47 (12): 1682–87
- **Preparation of Tc99m-Labeled Pseudomonas Bacteriophage without Adversely Impacting Infectivity or Biodistribution** *BIOCONJUGATE CHEMISTRY*
Holman, D., Lungren, M. P., Hardy, J., Contag, C., Blankenberg, F.
2017; 28 (11): 2698–2706
- **Stereotactic body radiotherapy for pediatric hepatocellular carcinoma with central biliary obstruction** *PEDIATRIC BLOOD & CANCER*
Hiniker, S. M., Rangaswami, A., Lungren, M. P., Thakor, A. S., Concepcion, W., Balazy, K. E., Kovalchuk, N., Donaldson, S. S.
2017; 64 (6)
- **Stereotactic body radiotherapy for pediatric hepatocellular carcinoma with central biliary obstruction** *PEDIATRIC BLOOD & CANCER*
Hiniker, S. M., Rangaswami, A., Lungren, M. P., Thakor, A. S., Concepcion, W., Balazy, K. E., Kovalchuk, N., Donaldson, S. S.
2017; 64 (6)
- **The Image Gently Think A-Head Campaign: Keep Calm and Image Gently.** *Journal of the American College of Radiology*
Frush, D. P., Lungren, M. P.
2017; 14 (2): 301-302

- **Endovascular Management of May-Thurner Syndrome in Adolescents: A Single-Center Experience** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Goldman, R. E., Arendt, V. A., Kothary, N., Kuo, W. T., Sze, D. Y., Hofmann, L. V., Lungren, M. P.
2017; 28 (1): 71-77
- **Endovascular Management of May-Thurner Syndrome in Adolescents: A Single-Center Experience.** *Journal of vascular and interventional radiology*
Goldman, R. E., Arendt, V. A., Kothary, N., Kuo, W. T., Sze, D. Y., Hofmann, L. V., Lungren, M. P.
2016
- **Ultrasound Guided Liver Biopsy with Gelatin Sponge Pledget Tract Embolization in Infants Weighing Less Than 10 kg.** *Journal of pediatric gastroenterology and nutrition*
Lungren, M. P., Lindquister, W. S., Seidel, F. G., Kothry, N., Monroe, E. J., Shivaram, G., Gill, A. E., Hawkins, M. C.
2016: -?
- **Comparison of complications between pediatric peripherally inserted central catheter placement techniques.** *Pediatric radiology*
Dasgupta, N., Patel, M. N., Racadio, J. M., Johnson, N. D., Lungren, M. P.
2016; 46 (10): 1439-1443
- **White Paper on P4 Concepts for Pediatric Imaging** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Daldrup-Link, H. E., Sammet, C., Hernanz-Schulman, M., Barsness, K. A., Cahill, A. M., Chung, E., Doria, A. S., Darge, K., Krishnamurthy, R., Lungren, M. P., Moore, S., Olivieri, L., Panigrahy, et al
2016; 13 (5): 590-597
- **Assessing the Risk of Hemorrhagic Complication following Transjugular Liver Biopsy in Bone Marrow Transplantation Recipients.** *Journal of vascular and interventional radiology*
Ahmed, O., Ward, T. J., Lungren, M. P., Abdelrazek Mohammed, M. A., Hofmann, L. V., Sze, D. Y., Kothary, N.
2016; 27 (4): 551-557
- **Assessing the Risk of Hemorrhagic Complication following Transjugular Liver Biopsy in Bone Marrow Transplantation Recipients** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Ahmed, O., Ward, T. J., Lungren, M. P., Mohammed, M. A., Hofmann, L. V., Sze, D. Y., Kothary, N.
2016; 27 (4): 551-557
- **Ultrasound-Guided Botulinum Toxin Type A Salivary Gland Injection in Children for Refractory Sialorrhea: 10-Year Experience at a Large Tertiary Children's Hospital** *PEDIATRIC NEUROLOGY*
Lungren, M. P., Halula, S., Coyne, S., Sidell, D., Racadio, J. M., Patel, M. N.
2016; 54: 70-75
- **Ultrasound-Guided Botulinum Toxin Type A Salivary Gland Injection in Children for Refractory Sialorrhea: 10-Year Experience at a Large Tertiary Children's Hospital.** *Pediatric neurology*
Lungren, M. P., Halula, S., Coyne, S., Sidell, D., Racadio, J. M., Patel, M. N.
2016; 54: 70-75
- **Endovascular thrombolysis to salvage central venous access in children with catheter-associated upper extremity deep vein thrombosis: technique and initial results.** *Journal of thrombosis and thrombolysis*
Lungren, M. P., Ward, T. J., Patel, M. N., Racadio, J. M., Kukreja, K.
2015; 40 (3): 274-279
- **Transjugular Intrahepatic Portosystemic Shunt Complications: Prevention and Management** *SEMINARS IN INTERVENTIONAL RADIOLOGY*
Suhocki, P. V., Lungren, M. P., Kapoor, B., Kim, C. Y.
2015; 32 (2): 123-132
- **Management of Dysfunctional Catheters and Tubes Inserted by Interventional Radiology** *SEMINARS IN INTERVENTIONAL RADIOLOGY*
Huang, S. Y., Engstrom, B. I., Lungren, M. P., Kim, C. Y.
2015; 32 (2): 67-77
- **Isolated Upper Extremity Posttransplant Lymphoproliferative Disorder in a Child.** *Case reports in radiology*
Halula, S. E., Leino, D. G., Patel, M. N., Racadio, J. M., Lungren, M. P.
2015; 2015: 813989-?

- **Physician self-referral and imaging use appropriateness: negative cervical spine MRI frequency as an assessment metric.** *AJNR. American journal of neuroradiology*
Amrhein, T. J., Paxton, B. E., Lungren, M. P., Befera, N. T., COLLINS, H. R., Yurko, C., Eastwood, J. D., Kilani, R. K.
2014; 35 (12): 2248-2253
- **Bacteriophage K Antimicrobial-Lock Technique for Treatment of Staphylococcus aureus Central Venous Catheter-Related Infection: A Leporine Model Efficacy Analysis** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Lungren, M. P., Donlan, R. M., Kankotia, R., Paxton, B. E., Falk, I., Christensen, D., Kim, C. Y.
2014; 25 (10): 1627-1632
- **Global Health Imaging Curriculum in Radiology Residency Programs: The Fundamentals** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Wood, M. F., Lungren, M. P., Cinelli, C. M., Johnson, B., Prater, A., Sood, S., Gerber, R. E.
2014; 11 (10): 968-973
- **Ultrasound-guided interventions in children** *EUROPEAN JOURNAL OF RADIOLOGY*
Lungren, M. P., Patel, M. N., Racadio, J. M., Johnson, N. D.
2014; 83 (9): 1582-1591
- **Endovascular Venous Thrombolysis in Children Younger than 24 Months** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Kukreja, K. U., Lungren, M. P., Patel, M. N., Johnson, N. D., Racadio, J. M., Dandoy, C., Tarango, C.
2014; 25 (8): 1158-1164
- **Assessment of vascular contrast and wall motion of the aortic root and ascending aorta on MDCT angiography: dual-source high-pitch vs non-gated single-source acquisition schemes** *EUROPEAN RADIOLOGY*
Christensen, J. D., Seaman, D. M., Lungren, M. P., Hurwitz, L. M., Boll, D. T.
2014; 24 (5): 990-997
- **Bacteriophage K antimicrobial-lock technique for treatment of Staphylococcus aureus central venous catheter-related infection: a leporine model efficacy analysis.** *Journal of vascular and interventional radiology : JVIR*
Lungren, M. P., Donlan, R. M., Kankotia, R., Paxton, B. E., Falk, I., Christensen, D., Kim, C. Y.
2014; 25 (10): 1627-32
- **Global health imaging curriculum in radiology residency programs: the fundamentals.** *Journal of the American College of Radiology : JACR*
Wood, M. F., Lungren, M. P., Cinelli, C. M., Johnson, B., Prater, A., Sood, S., Gerber, R. E.
2014; 11 (10): 968-73
- **Comparison of Primary Jejunostomy Tubes versus Gastrojejunostomy Tubes for Percutaneous Enteral Nutrition** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Kim, C. Y., Engstrom, B. I., Horvath, J. J., Lungren, M. P., Suhocki, P. V., Smith, T. P.
2013; 24 (12): 1845-1852
- **Physician Self-Referral: Frequency of Negative Findings at MR Imaging of the Knee as a Marker of Appropriate Utilization** *RADIOLOGY*
Lungren, M. P., Amrhein, T. J., Paxton, B. E., Srinivasan, R. C., Collins, H. R., Eastwood, J. D., Kilani, R. K.
2013; 269 (3): 810-815
- **Imaging Self-Referral: Here We Go Again** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Lungren, M. P., Paxton, B. E., Kilani, R. K.
2013; 201 (4): W658-W658
- **Impact of phase of respiration on central venous catheter tip position** *JOURNAL OF VASCULAR ACCESS*
Pan, P. P., Engstrom, B. I., Lungren, M. P., Seaman, D. M., Lessne, M. L., Kim, C. Y.
2013; 14 (4): 383-387
- **Journal Club: Shoulder MRI utilization: relationship of physician MRI equipment ownership to negative study frequency.** *AJR. American journal of roentgenology*
Amrhein, T. J., Lungren, M. P., Paxton, B. E., Srinivasan, R., Jung, S., Yu, M., Eastwood, J. D., Kilani, R. K.
2013; 201 (3): 605-610
- **Tunneled Peritoneal Drainage Catheter Placement for Refractory Ascites: Single-center Experience in 188 Patients** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Lungren, M. P., Kim, C. Y., Stewart, J. K., Smith, T. P., Miller, M. J.

2013; 24 (9): 1303-1308

- **White Paper Report of the 2012 RAD-AID Conference on International Radiology for Developing Countries: Planning the Implementation of Global Radiology** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Mollura, D. J., Mazal, J., Everton, K. L.
2013; 10 (8): 618-624
- **Single-Incision Technique for Placing Femoral Tunneled Central Venous Catheters in Infants** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
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