

# Stanford

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## Jesse Courtier

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### CLINICAL OFFICE (PRIMARY)

- **LPCH Radiology**

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### Bio

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#### BIO

Prior to joining Stanford and Lucille Packard Children's Hospital, Dr. Jesse Courtier was Professor and Chief of Pediatric Radiology at UCSF Benioff Children's Hospital, San Francisco. He is the author of over 70 peer reviewed articles with more than 3000+ citations. Dr. Courtier is a multi-award-winning educator and innovator. He is also an entrepreneur, startup mentor, and healthcare investor.

#### CLINICAL FOCUS

- Pediatric Radiology

#### PROFESSIONAL EDUCATION

- Board Certification: Pediatric Radiology, American Board of Radiology (2011)
- Fellowship: University of California San Francisco (2010) CA
- Fellowship: UCSF Dept of Radiology (2009) CA
- Board Certification: Diagnostic Radiology, American Board of Radiology (2008)
- Residency: University of Kansas (2008) KS
- Internship: University of Hawaii at Manoa John A Burns School of Medicine (2004) HI
- Medical Education: University of Iowa Carver College of Medicine (2003) IA

### Publications

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#### PUBLICATIONS

- **Does Pediatric Radiology Need Faster Horses? Rethinking Strategies to Workforce and Workflow** *ACADEMIC RADIOLOGY*  
Courtier, J., Hess, C. P.  
2023; 30 (9): 2046-2049
- **Evaluating a Suspected Perianal Abscess in a Child.** *AJR. American journal of roentgenology*  
Chawla, T., Courtier, J., Elias, J. J., Hosokawa, T.

2025

- **The umbilicus and pelvic incidence to inform surgical incisions for anterior lumbar interbody fusions: A radiographic analysis** *EUROPEAN SPINE JOURNAL*  
Arora, A., Cort, K., Gomez-Sanchez, C., Sharfman, Z. T., Kasir, R., Hiramoto, J., Courtier, J., Theologis, A. A.  
2025; 34 (5): 1900-1906
- **Assessment of superior mesenteric vascular flow quantitation in children using four-dimensional flow magnetic resonance imaging: A feasibility study** *WORLD JOURNAL OF RADIOLOGY*  
Leesmidt, K., Vakil, P., Verstraete, S., Liu, A. R., Durand, R., Courtier, J.  
2025; 17 (2): 99333
- **Factors and Labor Cost Savings Associated with Successful Pediatric Imaging without Anesthesia: a Single-Institution Study.** *Academic radiology*  
Chen, J. V., Zapala, M. A., Zhou, A., Vu, N., Meyer, L., Smith, M. D., Kelleher, C., Glenn, O. A., Courtier, J., Li, Y.  
2023; 30 (9): 1979-1988
- **Rate of head ultrasound abnormalities at one month in very premature and extremely premature infants with normal initial screening ultrasound** *PEDIATRIC RADIOLOGY*  
Liu, A. R., Gano, D., Li, Y., Diwakar, M., Courtier, J. L., Zapala, M. A.  
2022; 52 (6): 1150-1157
- **Mullerian Duct Anomalies: Role in Fertility and Pregnancy** *RADIOGRAPHICS*  
Sugi, M. D., Penna, R., Jha, P., Poder, L., Behr, S. C., Courtier, J., Mok-Lin, E., Rabban, J. T., Choi, H. H.  
2021; 41 (6): 1857-1875
- **Ureteral injury following anterior thoracolumbar spinal instrumented fusion for adolescent idiopathic scoliosis: a case report with CT angiography analysis of surgically relevant anatomy** *SPINE DEFORMITY*  
Hung, N. J., Theologis, A. A., Courtier, J. L., Harmon, D., Diab, M.  
2021; 9 (6): 1691-1698
- **Comparing Computed Tomography-Derived Augmented Reality Holograms to a Standard Picture Archiving and Communication Systems Viewer for Presurgical Planning: Feasibility Study.** *JMIR perioperative medicine*  
Dallas-Orr, D., Penev, Y., Schultz, R., Courtier, J.  
2020; 3 (2): e18367
- **Abdominal Applications of Pediatric Body MR Angiography: Tailored Optimization for Successful Outcome** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Edwards, E. A., Lee, M. M., Acord, M. R., Courtier, J.  
2020; 215 (1): 206-214
- **Congenital superior mesenteric artery aneurysm in a 6-week-old infant presenting with upper gastrointestinal bleeding** *JOURNAL OF VASCULAR SURGERY*  
Subbaraj, L., Beleniski, F., Courtier, J., Vartanian, S., Nijagal, A.  
2020; 71 (4): 1391-1394
- **Evaluating the Performance of Augmented Reality in Displaying Magnetic Resonance Imaging-Derived Three-Dimensional Holographic Models** *JOURNAL OF MEDICAL IMAGING AND RADIATION SCIENCES*  
Chang, F., Laguna, B., Uribe, J., Vu, L., Zapala, M. A., Devincent, C., Courtier, J.  
2020; 51 (1): 95-102
- **Improved diagnostic confidence and accuracy of pediatric elbow fractures with digital tomosynthesis** *PEDIATRIC RADIOLOGY*  
Zapala, M. A., Livingston, K., Bokhari, D., Phelps, A. S., Courtier, J. L., Ma, C., Seo, Y., MacKenzie, J. D.  
2020; 50 (3): 363-370
- **Congenital Oral Masses: An Anatomic Approach to Diagnosis** *RADIOGRAPHICS*  
Chapman, M. C., Soares, B. P., Li, Y., Shum, D. J., Glenn, O. A., Glastonbury, C. M., Courtier, J. L.  
2019; 39 (4): 1143-1160
- **Value of dedicated small-field-of-view sacroiliac versus large-field-of-view pelvic magnetic resonance imaging for evaluating pediatric sacroiliitis** *PEDIATRIC RADIOLOGY*  
Wagle, S., Gu, J. T., Courtier, J. L., Phelps, A. S., Lin, C., MacKenzie, J. D.

2019; 49 (7): 933-940

- **Implementing Virtual and Augmented Reality Tools for Radiology Education and Training, Communication, and Clinical Care** *RADIOLOGY*  
Uppot, R. N., Laguna, B., McCarthy, C. J., De Novi, G., Phelps, A., Siegel, E., Courtier, J.  
2019; 291 (3): 570-580
- **Assessment of quiet T2 weighted PROPELLER sequence in pediatric abdominal imaging** *CLINICAL IMAGING*  
Zaccagnino, E., Devinent, C., Leelakanok, N., Phelps, A. S., Zapala, M., Worters, P., Courtier, J.  
2019; 53: 12-16
- **Phase II Trial of Alisertib in Combination with Irinotecan and Temozolomide for Patients with Relapsed or Refractory Neuroblastoma** *CLINICAL CANCER RESEARCH*  
DuBois, S. G., Mosse, Y. P., Fox, E., Kudgus, R. A., Reid, J. M., McGovern, R., Groshen, S., Bagatell, R., Maris, J. M., Twist, C. J., Goldsmith, K., Granger, M., Weiss, et al  
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- **Clinically Actionable Hypercholesterolemia and Hypertriglyceridemia in Children with Nonalcoholic Fatty Liver Disease** *JOURNAL OF PEDIATRICS*  
Harlow, K. E., Africa, J. A., Wells, A., Belt, P. H., Behling, C. A., Jain, A. K., Molleston, J. P., Newton, K. P., Rosenthal, P., Vos, M. B., Xanthakos, S. A., Lavine, J. E., Schwimmer, et al  
2018; 198: 76-+
- **Bias in Radiology: The How and Why of Misses and Misinterpretations** *RADIOGRAPHICS*  
Busby, L. P., Courtier, J. L., Glastonbury, C. M.  
2018; 38 (1): 236-247
- **Assessing 3D T2 FSE sequence for identification of the normal appendix: working toward a single-sequence MR appendicitis protocol** *EMERGENCY RADIOLOGY*  
Leelakanok, N., Phelps, A. S., Zapala, M. A., Kato, K., Ohliger, M., Li, Y., Courtier, J.  
2017; 24 (6): 653-660
- **Pediatric renal transplant biopsy with ultrasound guidance: the 'core' essentials** *PEDIATRIC RADIOLOGY*  
Oates, A., Ahuja, S., Lee, M. M., Phelps, A. S., Mackenzie, J. D., Courtier, J. L.  
2017; 47 (12): 1572-1579
- **Intravoxel incoherent motion analysis of renal allograft diffusion with clinical and histopathological correlation in pediatric kidney transplant patients: A preliminary cross-sectional observational study** *PEDIATRIC TRANSPLANTATION*  
Poynton, C. B., Lee, M. M., Li, Y., Laszik, Z., Worters, P. W., Mackenzie, J. D., Courtier, J.  
2017; 21 (6)
- **Incidental Findings On Pediatric Abdominal Magnetic Resonance Angiography** *ACADEMIC RADIOLOGY*  
Leelakanok, N., Zapala, M. A., Edwards, E. A., Phelps, A. S., Mackenzie, J. D., Courtier, J.  
2017; 24 (9): 1107-1113
- **Pediatric chest CT at chest radiograph doses: when is the ultralow-dose chest CT clinically appropriate?** *EMERGENCY RADIOLOGY*  
Villanueva-Meyer, J. E., Naeger, D. M., Courtier, J. L., Hope, M. D., Lambert, J. W., MacKenzie, J. D., Phelps, A. S.  
2017; 24 (4): 369-376
- **Intussusception: past, present and future**  
Edwards, E. A., Pigg, N., Courtier, J., Zapala, M. A., MacKenzie, J. D., Phelps, A. S.  
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- **Pilot Study of Renal Diffusion Tensor Imaging as a Correlate to Histopathology in Pediatric Renal Allografts** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Li, Y., Lee, M. M., Worters, P. W., MacKenzie, J. D., Laszik, Z., Courtier, J. L.  
2017; 208 (6): 1351-1357
- **Postnatal MRI for CDH: A pictorial review of late-presenting and recurrent diaphragmatic defects** *CLINICAL IMAGING*  
Kim, W., Courtier, J., Morin, C., Shet, N., Strauch, E., Kim, J. S.  
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- **Advanced imaging techniques in pediatric body MRI** *PEDIATRIC RADIOLOGY*  
Courtier, J., Rao, A. G., Anupindi, S. A.  
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- **Ultrasound elastography: is there a shear wave speed cutoff for pediatric liver fibrosis and inflammation?** *CLINICAL IMAGING*  
Phelps, A., Ramachandran, R., Courtier, J., Perito, E., Rosenthal, P., MacKenzie, J. D.  
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- **Assessing the learning potential of an interactive digital game versus an interactive-style didactic lecture: the continued importance of didactic teaching in medical student education** *PEDIATRIC RADIOLOGY*  
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- **In Children With Nonalcoholic Fatty Liver Disease, Cysteamine Bitartrate Delayed Release Improves Liver Enzymes but Does Not Reduce Disease Activity Scores** *GASTROENTEROLOGY*  
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2016; 151 (6): 1141-+
- **Detection of bowel inflammation with fused DWI/T2 images versus contrast-enhanced images in pediatric MR enterography with histopathologic correlation** *CLINICAL IMAGING*  
Ehman, E. C., Phelps, A. S., Ohliger, M. A., Rhee, S. J., MacKenzie, J. D., Courtier, J. L.  
2016; 40 (6): 1135-1139
- **How Much Does Lead Shielding during Fluoroscopy Reduce Radiation Dose to Out-of-Field Body Parts?** *JOURNAL OF MEDICAL IMAGING AND RADIATION SCIENCES*  
Phelps, A. S., Gould, R. G., Courtier, J. L., Marcovici, P. A., Salani, C., MacKenzie, J. D.  
2016; 47 (2): 171-177
- **Image quality and dose optimisation for infant CT using a paediatric phantom** *EUROPEAN RADIOLOGY*  
Lambert, J. W., Phelps, A. S., Courtier, J. L., Gould, R. G., MacKenzie, J. D.  
2016; 26 (5): 1387-1395
- **Magnetic resonance imaging of Mullerian duct anomalies in children** *PEDIATRIC RADIOLOGY*  
Li, Y., Phelps, A., Zapala, M. A., MacKenzie, J. D., MacKenzie, T. C., Courtier, J.  
2016; 46 (6): 796-805
- **The ABCs (Airway, Blood Vessels, and Compartments) of Pediatric Neck Infections and Masses** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Ho, M., Courtier, J., Glastonbury, C. M.  
2016; 206 (5): 963-972
- **Phase I Study of the Aurora A Kinase Inhibitor Alisertib in Combination With Irinotecan and Temozolomide for Patients With Relapsed or Refractory Neuroblastoma: A NANT (New Approaches to Neuroblastoma Therapy) Trial** *JOURNAL OF CLINICAL ONCOLOGY*  
DuBois, S. G., Marachelian, A., Fox, E., Kudgus, R. A., Reid, J. M., Groshen, S., Malvar, J., Bagatell, R., Wagner, L., Maris, J. M., Hawkins, R., Courtier, J., Lai, et al  
2016; 34 (12): 1368-+
- **Clinical management of infantile cholelithiasis** *JOURNAL OF PEDIATRIC SURGERY*  
Jeanty, C., Derderian, S., Courtier, J., Hirose, S.  
2015; 50 (8): 1289-1292
- **Metastatic Diffuse Intrinsic Pontine Glioma to the Peritoneal Cavity Via Ventriculoperitoneal Shunt: Case Report and Literature Review** *JOURNAL OF NEUROLOGICAL SURGERY REPORTS*  
Barajas, R., Phelps, A., Foster, H. C., Courtier, J., Buelow, B. D., Gupta, N., Nicolaidis, T., Glenn, O. A., Banerjee, A.  
2015; 76 (1): 91-96
- **Phase I Study of Vorinostat as a Radiation Sensitizer with <sup>131</sup>I-Metaiodobenzylguanidine (<sup>131</sup>I-MIBG) for Patients with Relapsed or Refractory Neuroblastoma** *CLINICAL CANCER RESEARCH*  
DuBois, S. G., Groshen, S., Park, J. R., Haas-Kogan, D. A., Yang, X., Geier, E., Chen, E., Giacomini, K., Weiss, B., Cohn, S. L., Granger, M., Yanik, G. A., Hawkins, et al

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- **Pediatric inflammatory bowel disease: imaging issues with targeted solutions** *ABDOMINAL IMAGING*  
Anupindi, S. A., Podberesky, D. J., Towbin, A. J., Courtier, J., Gee, M. S., Darge, K., Dillman, J. R.  
2015; 40 (5): 975-992
- **Nonanesthesia Magnetic Resonance Enterography in Young Children: Feasibility, Technique, and Performance** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*  
Courtier, J., Cardenas, A., Tan, C., Towne, M., Rhee, S. J., Heyman, M. B., MacKenzie, J. D.  
2015; 60 (6): 754-761
- **<SUP>131</SUP>I-Metaiodobenzylguanidine with Intensive Chemotherapy and Autologous Stem Cell Transplantation for High-Risk Neuroblastoma. A New Approaches to Neuroblastoma Therapy (NANT) Phase II Study** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*  
Yanik, G. A., Villablanca, J. G., Mans, J. M., Weiss, B., Groshen, S., Marachelian, A., Park, J. R., Tsao-Wei, D., Hawkins, R., Shulkin, B. L., Jackson, H., Goodarzian, F., Shimada, et al  
2015; 21 (4): 673-681
- **Scrotal Swelling in the Neonate** *JOURNAL OF ULTRASOUND IN MEDICINE*  
Basta, A. M., Courtier, J., Phelps, A., Copp, H. L., MacKenzie, J. D.  
2015; 34 (3): 495-505
- **Pairwise Comparison Versus Likert Scale for Biomedical Image Assessment** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Phelps, A. S., Naeger, D. M., Courtier, J. L., Lambert, J. W., Marcovici, P. A., Villanueva-Meyer, J. E., MacKenzie, J. D.  
2015; 204 (1): 8-14
- **Magnetic resonance imaging findings in juvenile spondyloarthropathy and effects of treatment observed on subsequent imaging** *PEDIATRIC RHEUMATOLOGY*  
Lin, C., MacKenzie, J. D., Courtier, J. L., Gu, J. T., Milojevic, D.  
2014; 12: 25
- **Computed tomography depiction of small pediatric vessels with model-based iterative reconstruction** *PEDIATRIC RADIOLOGY*  
Koc, G., Courtier, J. L., Phelps, A., Marcovici, P. A., MacKenzie, J. D.  
2014; 44 (7): 787-794
- **Intra-abdominal inverted umbilical cord in gastroschisis: a unique ultrasound finding** *PEDIATRIC RADIOLOGY*  
Koc, G., Courtier, J. L., Kim, J. S., Miniati, D. N., MacKenzie, J. D.  
2014; 44 (1): 109-111
- **Magnetic Resonance Enterography Inflammatory Bowel Disease and Beyond** *MAGNETIC RESONANCE IMAGING CLINICS OF NORTH AMERICA*  
Anupindi, S. A., Terreblanche, O., Courtier, J.  
2013; 21 (4): 731+
- **Radiation dose reduction in pediatric CT-guided musculoskeletal procedures** *PEDIATRIC RADIOLOGY*  
Patel, A. S., Soares, B., Courtier, J., MacKenzie, J. D.  
2013; 43 (10): 1303-1308
- **Anal duplication in a one-year-old girl** *JOURNAL OF PEDIATRIC SURGERY CASE REPORTS*  
Cheng, L. S., Courtier, J., MacKenzie, T. C.  
2013; 1 (10): 373-374
- **Shooting a Moving Target: Use of Real-Time Cine Magnetic Resonance Imaging in Assessment of the Small Bowel** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*  
Courtier, J., Ohliger, M., Rhee, S. J., Terreblanche, O., Heyman, M. B., MacKenzie, J. D.  
2013; 57 (4): 426-431
- **The prevalence and patterns of intraluminal air in acute appendicitis at CT** *EMERGENCY RADIOLOGY*  
Cabarrus, M., Sun, Y., Courtier, J. L., Stengel, J. W., Coakley, F. V., Webb, E. M.  
2013; 20 (1): 51-56

- **Hepatic portocholecystostomy for biliary atresia: A 25-year follow-up and review** *JOURNAL OF PEDIATRIC SURGERY*  
Schechter, S. C., Courtier, J., Cho, S., Saadai, P., Hirose, S., Mackenzie, T. C., Miniati, D.  
2013; 48 (1): 262-266
- **Primary mixed malignant tumor of bone in an 18-year-old male: Report of a case with radiologic-pathologic correlation** *JOURNAL OF BONE ONCOLOGY*  
Courtier, J., Robbins, E., Soares, B., Horvai, A., Mackenzie, J. D.  
2012; 1 (3): 101-105
- **Imaging of Mullerian Duct Anomalies** *RADIOGRAPHICS*  
Behr, S. C., Courtier, J. L., Qayyum, A.  
2012; 32 (6): E233-E250
- **Type IV intestinal atresia, congenital bilateral perisylvian syndrome, and chronic pulmonary hypertension secondary to multiple vascular disruption syndrome in a monozygotic twin** *JOURNAL OF PEDIATRIC SURGERY*  
Shue, E. H., Soares, B., Courtier, J., Hogue, J., Shimotake, T., MacKenzie, T. C.  
2012; 47 (10): 1938-1942
- **The diagnosis and management of intradiaphragmatic extralobar pulmonary sequestrations: a report of 4 cases**  
Nijagal, A., Jelin, E., Feldstein, V. A., Courtier, J., Urisman, A., Jones, K. D., Lee, H., Hirose, S., MacKenzie, T. C.  
W B SAUNDERS CO-ELSEVIER INC.2012: 1501-1505
- **Imaging of Nontraumatic Adrenal Hemorrhage** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Jordan, E., Poder, L., Courtier, J., Sai, V., Jung, A., Coakley, F. V.  
2012; 199 (1): W91-W98
- **Multimodality Imaging of Fat-Containing Adrenal Metastasis From Hepatocellular Carcinoma** *CLINICAL NUCLEAR MEDICINE*  
Tariq, U., Poder, L., Carlson, D., Courtier, J., Joe, B. N., Coakley, F. V.  
2012; 37 (6): E157-E159
- **Targeted MRI Contrast Agents for Pediatric Hepatobiliary Disease** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*  
Courtier, J. L., Perito, E. R., Rhee, S., Tsai, P., Heyman, M. B., MacKenzie, J. D.  
2012; 54 (4): 454-462
- **CT and MRI of Early Intrauterine Pregnancy** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Shin, D. S., Poder, L., Courtier, J., Naeger, D. M., Westphalen, A. C., Coakley, F. V.  
2011; 196 (2): 325-330
- **Fetal tracheolaryngeal airway obstruction: prenatal evaluation by sonography and MRI** *PEDIATRIC RADIOLOGY*  
Courtier, J., Poder, L., Wang, Z. J., Westphalen, A. C., Yeh, B. M., Coakley, F. V.  
2010; 40 (11): 1800-1805