

Stanford



Eric Olcott

Professor of Radiology (Veterans Affairs), Emeritus

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty - University Medical Line, Radiology
- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- Chief, Radiology Service, Veterans Affairs Palo Alto Health Care System, (2006-2012)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Body imaging utilizing CT, ultrasound and MRI. Imaging of appendicitis. Imaging of pancreatic and biliary malignancies. Imaging of trauma. Magnetic resonance angiography.

Publications

PUBLICATIONS

- **The Borderline-Size Appendix: Grayscale, Color Doppler, and Spectral Doppler Findings That Improve Specificity for the Sonographic Diagnosis of Acute Appendicitis.** *Ultrasound quarterly*
Madhuripan, N., Jawahar, A., Jeffrey, R. B., Olcott, E. W.
2020
- **Hyperechoic Periappendiceal Fat: Evaluation of Criteria for Improving Specificity in the Sonographic Diagnosis of Appendicitis in Pediatric Patients.** *Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine*
Penticuff, R., Jeffrey, R. B., Olcott, E. W.
2020
- **Ileocolic vascular curvature: a new CT finding of cecal volvulus.** *Abdominal radiology (New York)*
Wong, M., Brooke Jeffrey, R., Rucker, A. N., Olcott, E. W.
2020
- **Hyperechoic Abdominal Fat A Sentinel Sign of Inflammation** *ULTRASOUND QUARTERLY*
Chakraborty, A. K., Olcott, E. W., Jeffrey, B. R.
2019; 35 (2): 186–94
- **Commentary on the article "Luminal obstruction in uncomplicated appendicitis: detection with sonography and potential clinical implications" Reply** *JOURNAL OF CLINICAL ULTRASOUND*
Kuhn, K. J., Jeffrey, R., Olcott, E. W.
2019; 47 (3): 121

- **Luminal obstruction in uncomplicated appendicitis: Detection with sonography and potential clinical implications** *JOURNAL OF CLINICAL ULTRASOUND*
Kuhn, K. J., Jeffrey, R., Olcott, E. W.
2019; 47 (3): 113–19
- **Reply by Author.** *Journal of clinical ultrasound : JCU*
Kuhn, K. J., Brooke Jeffrey, R., Olcott, E. W.
2019
- **Groove pancreatitis: a clinical and imaging overview.** *Abdominal radiology (New York)*
Patel, B. N., Brooke Jeffrey, R. n., Olcott, E. W., Zaheer, A. n.
2019
- **Luminal obstruction in uncomplicated appendicitis: Detection with sonography and potential clinical implications.** *Journal of clinical ultrasound : JCU*
Kuhn, K. J., Brooke Jeffrey, R., Olcott, E. W.
2018
- **Hyperechoic Abdominal Fat: A Sentinel Sign of Inflammation.** *Ultrasound quarterly*
Chakraborty, A. K., Olcott, E. W., Jeffrey, B. R.
2018
- **Sonography of the Cecum: Gateway to the Right Lower Quadrant** *ULTRASOUND QUARTERLY*
Jeffrey, R., Wentland, A. L., Olcott, E. W.
2018; 34 (3): 133–40
- **Sonography of the Cecum: Gateway to the Right Lower Quadrant.** *Ultrasound quarterly*
Jeffrey, R. B., Wentland, A. L., Olcott, E. W.
2018; 34 (3): 133–40
- **Radiologic Evaluation of Intrahepatic Cholangiocarcinoma Perineural Invasion** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Raghavan, K., Jeffrey, R., Olcott, E. W.
2018; 210 (3): W129
- **Extrapancreatic perineural invasion in pancreatic adenocarcinoma** *ABDOMINAL RADIOLOGY*
Patel, B. N., Olcott, E., Jeffrey, R.
2018; 43 (2): 323–31
- **Delayed diagnosis of celiac stenosis causing hepatic transplant ischaemic necrosis: diagnosis by spectral Doppler findings.** *BJR case reports*
Sun, M., Jeffrey, R. B., DiMaio, M. A., Olcott, E. W.
2017; 3 (1): 20150210
- **Anatomic Reasons for Failure to Visualize the Appendix With Graded Compression Sonography: Insights From Contemporaneous CT** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Lin, W., Jeffrey, R., Trinh, A., Olcott, E. W.
2017; 209 (3): W128–W138
- **Spectral Doppler Waveforms for Diagnosis of Appendicitis: Potential Utility of Point Peak Systolic Velocity and Resistive Index Values.** *Radiology*
Shin, L. K., Jeffrey, R. B., Berry, G. J., Olcott, E. W.
2017: 162251-?
- **Sonographic Differentiation of Complicated From Uncomplicated Appendicitis Implications for Antibiotics-First Therapy** *JOURNAL OF ULTRASOUND IN MEDICINE*
Xu, Y., Jeffrey, R. B., Chang, S. T., DiMaio, M. A., Olcott, E. W.
2017; 36 (2): 269-277
- **Capsule Ultrasound Device: Characterization and Testing Results**
Wang, J., Memon, F., Touma, G., Baltasvias, S., Jang, J., Chang, C., Rasmussen, M., Olcott, E., Jeffrey, R., Arbajian, A., Khuri-Yakub, B. T., IEEE

IEEE.2017

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Sun, M., Jeffrey, R., DiMaio, M. A., Olcott, E. W.
2017; 3 (1)
- **Duodenal invasion by pancreatic adenocarcinoma: MDCT diagnosis of an aggressive imaging phenotype and its clinical implications.** *Abdominal radiology (New York)*
Patel, B. N., Olcott, E. W., Jeffrey, R. B.
2017
- **Preoperative Multidetector CT Diagnosis of Extrapancreatic Perineural or Duodenal Invasion Is Associated with Reduced Postoperative Survival after Pancreaticoduodenectomy for Pancreatic Adenocarcinoma: Preliminary Experience and Implications for Patient Care** *RADIOLOGY*
Chang, S. T., Jeffrey, R. B., Patel, B. N., DiMaio, M. A., Rosenberg, J., Willmann, J. K., Olcott, E. W.
2016; 281 (3): 816-825
- **Multidetector CT imaging of the pancreatic groove: differentiating carcinomas from paraduodenal pancreatitis** *CLINICAL IMAGING*
Shin, L. K., Jeffrey, R. B., Pai, R. K., Raman, S. P., Fishman, E. K., Olcott, E. W.
2016; 40 (6): 1246-1252
- **Color Doppler Imaging of the Appendix: Criteria to Improve Specificity for Appendicitis in the Borderline-Size Appendix.** *Journal of ultrasound in medicine*
Xu, Y., Jeffrey, R. B., Shin, L. K., DiMaio, M. A., Olcott, E. W.
2016; 35 (10): 2129-2138
- **Lymphoid Hyperplasia of the Appendix: A Potential Pitfall in the Sonographic Diagnosis of Appendicitis** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Xu, Y., Jeffrey, R. B., DiMaio, M. A., Olcott, E. W.
2016; 206 (1): 189-194
- **Capsule Ultrasound Device: Further Developments**
Memon, F., Touma, G., Wang, J., Baltasvias, S., Moini, A., Chang, C., Rasmussen, M., Nikoozadeh, A., Choe, J., Olcott, E., Jeffrey, R., Arbabian, A., Khuri-Yakub, et al
IEEE.2016
- **MDCT Diagnosis of Perineural Invasion Involving the Celiac Plexus in Intrahepatic Cholangiocarcinoma: Preliminary Observations and Clinical Implications.** *AJR. American journal of roentgenology*
Raghavan, K., Jeffrey, R. B., Patel, B. N., DiMaio, M. A., Willmann, J. K., Olcott, E. W.
2015; 205 (6): W578-84
- **MDCT Diagnosis of Perineural Invasion Involving the Celiac Plexus in Intrahepatic Cholangiocarcinoma: Preliminary Observations and Clinical Implications.** *AJR. American journal of roentgenology*
Raghavan, K., Jeffrey, R. B., Patel, B. N., DiMaio, M. A., Willmann, J. K., Olcott, E. W.
2015; 205 (6): W578-84
- **Predictors of appendicitis on computed tomography among cases with borderline appendix size.** *Emergency radiology*
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2015; 22 (4): 385-394
- **JOURNAL CLUB: The Alvarado Score as a Method for Reducing the Number of CT Studies When Appendiceal Ultrasound Fails to Visualize the Appendix in Adults.** *AJR. American journal of roentgenology*
Jones, R. P., Jeffrey, R. B., Shah, B. R., Desser, T. S., Rosenberg, J., Olcott, E. W.
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- **The Alvarado Score as a Method for Reducing the Number of CT Studies When Appendiceal Ultrasound Fails to Visualize the Appendix in Adults** *AMERICAN JOURNAL OF ROENTGENOLOGY*
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- **Capsule Ultrasound Device**
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IEEE.2015
- **Three-step sequential positioning algorithm during sonographic evaluation for appendicitis increases appendiceal visualization rate and reduces CT use.** *AJR. American journal of roentgenology*
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- **Value of short-interval computed tomography when sonography fails to visualize the appendix and shows otherwise normal findings.** *Journal of ultrasound in medicine*
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- **Model-based Iterative Reconstruction Compared to Adaptive Statistical Iterative Reconstruction and Filtered Back-projection in CT of the Kidneys and the Adjacent Retroperitoneum.** *Academic radiology*
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- **Sonography of the normal appendix: its varied appearance and techniques to improve its visualization.** *Ultrasound quarterly*
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- **Three-dimensional volume-rendered multidetector CT imaging of the posterior inferior pancreaticoduodenal artery: its anatomy and role in diagnosing extrapancreatic perineural invasion.** *Cancer imaging*
Patel, B. N., Giacomini, C., Jeffrey, R. B., Willmann, J. K., Olcott, E.
2013; 13 (4): 580-590
- **Three-dimensional volume-rendered multidetector CT imaging of the posterior inferior pancreaticoduodenal artery: its anatomy and role in diagnosing extrapancreatic perineural invasion** *CANCER IMAGING*
Patel, B. N., Giacomini, C., Jeffrey, R. B., Willmann, J. K., Olcott, E.
2013; 13 (4): 580-590
- **Sonography for appendicitis: Nonvisualization of the appendix is an indication for active clinical observation rather than direct referral for computed tomography** *JOURNAL OF CLINICAL ULTRASOUND*
Stewart, J. K., Olcott, E. W., Jeffrey, R. B.
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- **MR Enterography in Crohn Disease With Endoscopic Correlation: Protocol, Pearls, and Pitfalls** *Annual Meeting of the American-Roentgen-Ray-Society*
Jones, R., Olcott, E., Shah, S., Jeffrey, R., Do, B., Shin, L.
AMER ROENTGEN RAY SOC.2012
- **Split-bolus MDCT urography with synchronous nephrographic and excretory phase enhancement** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Chow, L. C., Kwan, S. W., Olcott, E. W., Sommer, G.
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- **Evaluation of lung nodule growth measurement for MDCT exams with different dosages using synthetic nodules**
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