

# Stanford

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## Gabriela Gayer

Clinical Professor, Radiology

### CLINICAL OFFICES

- **Radiology Department**

300 Pasteur Dr Rm S076

MC 5105

Stanford, CA 94305

**Tel** (650) 725-0541

**Fax** (650) 725-7296

### Bio

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### CLINICAL FOCUS

- Radiology
- Acute abdomen
- Emergency radiology
- Oncologic imaging

### ACADEMIC APPOINTMENTS

- Clinical Professor, Radiology

### PROFESSIONAL EDUCATION

- Board Certification: Radiology, Israel Board of Radiology (1991)
- Residency: Sheba Medical Center (1991) Israel
- Medical Education: Tel Aviv University Sackler School of Medicine (1987) Israel
- Internship: Hasharon Golda Medical Center (1986) Israel

### Publications

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### PUBLICATIONS

- **Computed Tomography of Internal Hernias Following Laparoscopic Roux-en-Y Gastric Bypass Surgery** *SEMINARS IN ULTRASOUND CT AND MRI*  
Kagoma, Y. K., Gayer, G.  
2018; 39 (2): 145–50
- **Abdominal Wall Masses: CT Findings and Clues to Differential Diagnosis** *SEMINARS IN ULTRASOUND CT AND MRI*  
Gayer, G., Park, C.  
2018; 39 (2): 230–46
- **Mediastinal (Epipericardial) Fat Necrosis: An Overlooked and Little Known Cause of Acute Chest Pain Mimicking Acute Coronary Syndrome** *SEMINARS IN ULTRASOUND CT AND MRI*

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- Gayer, G.  
2017; 38 (6): 629–33
- **Thoracolithiasis-Computed Tomography Findings of Intrapleural Loose Bodies** *SEMINARS IN ULTRASOUND CT AND MRI*  
Gayer, G.  
2017; 38 (6): 634–40
  - **A Wandering Pulmonary Nodule.** *American journal of respiratory and critical care medicine*  
Van Wert, R., Gayer, G., Guo, H. H., Nair, V. S.  
2016: -?
  - **Tracheal Diverticula** *SEMINARS IN ULTRASOUND CT AND MRI*  
Gayer, G.  
2016; 37 (3): 190-195
  - **Imaging of Abdominal and Pelvic Surgical and Postprocedural Foreign Bodies** *RADIOLOGIC CLINICS OF NORTH AMERICA*  
Gayer, G., Lubner, M. G., Bhalla, S., Pickhardt, P. J.  
2014; 52 (5): 991-?
  - **Imaging of Iatrogenic Complications of the Urinary Tract Kidneys, Ureters, and Bladder** *RADIOLOGIC CLINICS OF NORTH AMERICA*  
Patel, B. N., Gayer, G.  
2014; 52 (5): 1101-?
  - **Retroperitoneal Sarcomas** *SEMINARS IN ULTRASOUND CT AND MRI*  
Kumarasamy, N. A., Gayer, G.  
2011; 32 (5): 422-432
  - **Achalasia With Tortuous Megaesophagus.** *Seminars in ultrasound, CT, and MR*  
Wolman, D., Gayer, G.  
2019; 40 (3): 275–77
  - **Letter from the Editor.** *Seminars in ultrasound, CT, and MR*  
Gayer, G.  
2019; 40 (3): 173–74
  - **Epipericardial Fat Necrosis** *ISRAEL MEDICAL ASSOCIATION JOURNAL*  
Friedman, Y., Gayer, G., Margolin, M., Kneller, A., Moullem, M.  
2018; 20 (5): 327–28
  - **Epipericardial Fat Necrosis.** *The Israel Medical Association journal : IMAJ*  
Friedman, Y. E., Gayer, G., Livne Margolin, M., Kneller, A., Moullem, M.  
2018; 5 (20): 327–28
  - **Letter from the Editor** *SEMINARS IN ULTRASOUND CT AND MRI*  
Gayer, G.  
2017; 38 (6): 557–58
  - **Thoracolithiasis-Computed Tomography Findings of Intrapleural Loose Bodies.** *Seminars in ultrasound, CT, and MR*  
Gayer, G.  
2017; 38 (6): 634–40
  - **Mediastinal (Epipericardial) Fat Necrosis: An Overlooked and Little Known Cause of Acute Chest Pain Mimicking Acute Coronary Syndrome.** *Seminars in ultrasound, CT, and MR*  
Gayer, G.  
2017; 38 (6): 629–33
  - **Tracheal diverticula in cystic fibrosis-A potentially important underreported finding on chest CT** *JOURNAL OF CYSTIC FIBROSIS*  
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- **Increased prevalence of tracheal diverticula in cystic fibrosis patients.** *British journal of radiology*  
Reicher, J. J., Mohabir, P., Rad, E., Gayer, G.  
2016; 89 (1060): 20150694-?
- **Radiological findings in pelvic solitary fibrous tumour.** *BJR case reports*  
Johannet, P., Kamaya, A., Gayer, G.  
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- **Imaging of Cosmetic Plastic Procedures and Implants in the Body and Their Potential Complications** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Yahyavi-Firouz-Abadi, N., Menias, C. O., Bhalla, S., Siegel, C., Gayer, G., Katz, D. S.  
2015; 204 (4): 707-711
- **Metastatic Melanoma in the Chest and Abdomen: The Great Radiologic Imitator** *SEMINARS IN ULTRASOUND CT AND MRI*  
Chang, S. T., Desser, T. S., Gayer, G., Menias, C. O.  
2014; 35 (3): 272-289
- **The Renal Sinus-Transitional Cell Carcinoma and its Mimickers on Computed Tomography** *SEMINARS IN ULTRASOUND CT AND MRI*  
Gayer, G., Zissin, R.  
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- **Traumatic injury of the thoracic aorta treated with stent-graft: is long-term CT angiography follow-up justified?** *Clinical radiology*  
Rimon, U., Shinfeld, A., Gayer, G.  
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- **Traumatic injury of the thoracic aorta treated with stent-graft: Is long-term CT angiography follow-up justified?** *CLINICAL RADIOLOGY*  
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2014; 69 (5): E207-E210
- **Letter from the editor: the great mimickers in radiology.** *Seminars in ultrasound, CT, and MR*  
Gayer, G.  
2014; 35 (3): 193-94
- **Imaging of iatrogenic conditions of the chest, abdomen, and pelvis.** *Radiologic clinics of North America*  
Gayer, G., Katz, D. S.  
2014; 52 (5): xiii-xiv
- **Appendicitis in adults with incidental midgut malrotation: CT findings** *CLINICAL RADIOLOGY*  
Ben Ely, A., Gorelik, N., Cohen-Sivan, Y., Zissin, R., Carpineta, L., Osadchy, A., Gayer, G.  
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- **Ovarian Carcinoma Metastasis to Breast: Role of PET/CT** *ISRAEL MEDICAL ASSOCIATION JOURNAL*  
Gayer, G., Ben-Haim, S.  
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- **Letter From the Editor: Radiologic Imaging in Hematological Disorders** *SEMINARS IN ULTRASOUND CT AND MRI*  
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- **Dropped gallstones: spectrum of imaging findings, complications and diagnostic pitfalls** *BRITISH JOURNAL OF RADIOLOGY*  
Nayak, L., Menias, C. O., Gayer, G.  
2013; 86 (1028)
- **Images in clinical medicine. Abdominal ectopic pregnancy.** *New England journal of medicine*  
Gayer, G.  
2012; 367 (24): 2334-?
- **Letter From the Editor: The Pulmonary Vasculature** *SEMINARS IN ULTRASOUND CT AND MRI*  
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2012; 33 (6): 471-472

- **Changes in spleen volume after resection of hepatic colorectal metastases** *CLINICAL RADIOLOGY*  
Jacobs, K. E., Visser, B. C., Gayer, G.  
2012; 67 (10): 982-987
- **The Role of Readily Available Clinical, Laboratory and Radiologic Findings in Distinguishing A/H1N1/2009 Influenza from Other Causes of Acute Febrile Respiratory Illness under Pandemic Conditions** *ISRAEL MEDICAL ASSOCIATION JOURNAL*  
Karplus, R., Weinberger, M., Zaidenstein, R., Goldshtein, L., Natif, N., Gayer, G.  
2012; 14 (10): 613-619
- **An uncommon cause of abdominal pain following blunt abdominal trauma** *BRITISH JOURNAL OF RADIOLOGY*  
Laeseke, P. F., Gayer, G.  
2012; 85 (1015): 1025-1026
- **Enlargement of the spleen as an incidental finding on CT in post-partum females with fever** *BRITISH JOURNAL OF RADIOLOGY*  
Gayer, G., Ben Ely, A., MAYMON, R., Hertz, M.  
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- **Letter from the Editor: Imaging of the Aorta** *SEMINARS IN ULTRASOUND CT AND MRI*  
Gayer, G.  
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- **Spontaneous Suburothelial Hemorrhage in Coagulopathic Patients: CT Diagnosis** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Gayer, G., Desser, T. S., Hertz, M., Osadchy, A., Daniel, B. L., Zissin, R.  
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- **Letter From the Editor: Sarcomas** *SEMINARS IN ULTRASOUND CT AND MRI*  
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- **CT diagnosis of a large peritoneal loose body: a case report and review of the literature** *BRITISH JOURNAL OF RADIOLOGY*  
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- **Musculoskeletal ultrasonography.** *Seminars in ultrasound, CT, and MR*  
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2011; 32 (2): 65-?
- **Foreign Objects Encountered in the Abdominal Cavity at CT** *RADIOGRAPHICS*  
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- **Ultrasound, computed tomography, and magnetic resonance: the "central nervous system" of every radiology practice.** *Seminars in ultrasound, CT, and MR*  
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- **Superior mesenteric artery to superior mesenteric vein arteriovenous fistula presenting as abdominal pain and gastrointestinal bleeding 3 years after an abdominal gunshot wound: report of a case and review of the literature.** *Journal of trauma*  
Weinstein, D., Altshuler, A., Belinki, A., Peer, A., Gayer, G., Halevy, A., Bass, A.

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- **Positive Intraluminal Bowel Contrast on Computed Tomography Following Oral Ingestion of Kayexelate** *CANADIAN ASSOCIATION OF RADIOLOGISTS JOURNAL-JOURNAL DE L ASSOCIATION CANADIENNE DES RADIOLOGISTES*  
Zissin, R., Stackiewicz, R., Osadchy, A., Gayer, G.  
2008; 59 (5): 264-267
- **Acute abdominal pain is one of the most common presenting complaints in the emergency department.** *Seminars in ultrasound, CT, and MR*  
Gayer, G.  
2008; 29 (5): 291-292
- **Recent advances in CT technology have enabled us, radiologists, to rediscover a fascinating organ, the heart.** *Seminars in ultrasound, CT, and MR*  
Gayer, G.  
2008; 29 (3): 165-166
- **Familial wandering spleen: a first instance** *JOURNAL OF PEDIATRIC SURGERY*  
Ben Ely, A., Segquier, E., Lotan, G., Strauss, S., Gayer, G.  
2008; 43 (5)
- **Iatrogenic splenic injury in postoperative patients: a series of case reports.** *Emergency radiology*  
Gayer, G., Galperin-Aizenberg, M.  
2008; 15 (2): 109-113
- **Abdominal CT findings in nontraumatic colorectal perforation** *EUROPEAN JOURNAL OF RADIOLOGY*  
Zissin, R., Hertz, M., Osadchy, A., Even-Sapir, E., Gayer, G.  
2008; 65 (1): 125-132
- **Pseudoaneurysm of the renal artery following partial nephrectomy: Imaging findings and coil embolization** *CLINICAL RADIOLOGY*  
Cohenpour, M., Strauss, S., Gottlieb, P., Peer, A., Rimon, U., Stav, K., Gayer, G.  
2007; 62 (11): 1104-1109
- **Abdominal CT Findings of Delayed Postoperative Complications** *CANADIAN ASSOCIATION OF RADIOLOGISTS JOURNAL-JOURNAL DE L ASSOCIATION CANADIENNE DES RADIOLOGISTES*  
Zissin, R., Osadchy, A., Gayer, G.  
2007; 58 (4): 200-211
- **Transcatheter arterial embolisation in anticoagulant-related haematoma - a current therapeutic option: a report of four patients and review of the literature** *INTERNATIONAL JOURNAL OF CLINICAL PRACTICE*  
Zissin, R., Gayer, G., Kots, E., Ellis, M., Bartal, G., Griton, I.  
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- **Pelvis architecture and urinary incontinence in women** *EUROPEAN UROLOGY*  
Stav, K., Alcalay, M., Peleg, S., Lindner, A., Gayer, G., Hershkovitz, I.  
2007; 52 (1): 239-244
- **Computed Tomography Findings of Early Abdominal Postoperative Complications** *CANADIAN ASSOCIATION OF RADIOLOGISTS JOURNAL-JOURNAL DE L ASSOCIATION CANADIENNE DES RADIOLOGISTES*  
Zissin, R., Osadchy, A., Gayer, G.  
2007; 58 (3): 136-145
- **Gas in the kidney: CT findings.** *Emergency radiology*  
Portnoy, O., Apter, S., Koukoui, O., Konen, E., Amitai, M. M., Sella, T., Gayer, G., Hertz, M.  
2007; 14 (2): 83-87
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Yarom, N., Zissin, R., Apter, S., Hertz, M., Rahimi-Levene, N., Gayer, G.  
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- **Iatrogenic injury to the spleen - CT appearance** *SEMINARS IN ULTRASOUND CT AND MRI*  
Galperin-Aizenberg, M., Blachar, A., Gayer, G.  
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- **Anatomic and pathologic computed tomographic findings following splenectomy** *SEMINARS IN ULTRASOUND CT AND MRI*  
Zissin, R., Gutman, M., Even-Sapir, E., Gayer, G.  
2007; 28 (1): 67-78
- **Maternal spleen size throughout normal pregnancy** *SEMINARS IN ULTRASOUND CT AND MRI*  
Maymon, R., Zimerman, A. L., Strauss, S., Gayer, G.  
2007; 28 (1): 64-66
- **Normal sonographic values of maternal spleen size throughout pregnancy** *ULTRASOUND IN MEDICINE AND BIOLOGY*  
Maymon, R., Strauss, S., Vaknin, Z., Weinraub, Z., Herman, A., Gayer, G.  
2006; 32 (12): 1827-1831
- **The wandering spleen: CT findings and possible pitfalls in diagnosis** *CLINICAL RADIOLOGY*  
Ben Ely, A., Zissin, R., Copel, L., Vasserman, M., Hertz, M., Gottlieb, P., Gayer, G.  
2006; 61 (11): 954-958
- **Extrarenal manifestations of severe acute pyelonephritis: CT findings in 21 cases.** *Emergency radiology*  
Zissin, R., Osadchy, A., Gayer, G., Kitay-Cohen, Y.  
2006; 13 (2): 73-77
- **Congenital anomalies of the spleen** *SEMINARS IN ULTRASOUND CT AND MRI*  
Gayer, G., Hertz, M., Strauss, S., Zissin, R.  
2006; 27 (5): 358-369
- **Case report: Renal extramedullary haematopoiesis mimicking renal lymphoma on computed tomography.** *Clinical radiology*  
Galperin-Aizenberg, M., Volchek, Y., Even Sapir, E., Vasserman, M., Maizlin, Z. V., Cohenpour, M., Gayer, G.  
2006; 61 (10): 896-898
- **Renal extramedullary haematopoiesis mimicking renal lymphoma on computed tomography** *CLINICAL RADIOLOGY*  
Galperin-Aizenberg, M., Volchek, Y., Even Sapir, E., Vasserman, M., Maizlin, Z. V., Cohenpour, M., Gayer, G.  
2006; 61 (10): 896-898
- **The CT findings of abdominal anticoagulant-related hematomas** *SEMINARS IN ULTRASOUND CT AND MRI*  
Zissin, R., Ellis, M., Gayer, G.  
2006; 27 (2): 117-125
- **Minimally invasive management of urolithiasis** *SEMINARS IN ULTRASOUND CT AND MRI*  
Gayer, G., Hertz, M., Stav, K., Zissin, R.  
2006; 27 (2): 139-151
- **CT findings of iatrogenic complications following gastrointestinal endoluminal procedures** *SEMINARS IN ULTRASOUND CT AND MRI*  
Zissin, R., Konikoff, F., Gayer, G.  
2006; 27 (2): 126-138
- **Anomalous origin of left main coronary artery: the value of myocardial scintigraphic and spiral computed tomography scans.** *Nuclear medicine review. Central & Eastern Europe*  
Cohenpour, M., Tourovski, A., Zyssman, I., Friedensohn, A., Gayer, G., Horne, T.  
2006; 9 (1): 69-71
- **To biopsy or not to biopsy: An 82-year-old patient with a retroperitoneal mass and severe low back pain** *EUROPEAN JOURNAL OF INTERNAL MEDICINE*  
Horowitz, M., Gayer, G., Itzhak, Y., Rapoport, M. J.  
2006; 17 (1): 55-56
- **Wandering spleen - the challenge of ultrasound diagnosis: Report of 7 cases** *JOURNAL OF CLINICAL ULTRASOUND*  
Karmazyn, B., Steinberg, R., Gayer, G., Grozovski, S., Freud, E., Kornreich, L.  
2005; 33 (9): 433-438
- **Fallopian tube carcinoma presenting as tubo-ovarian abscess: a report of two cases with literature review** *INTERNATIONAL JOURNAL OF GYNECOLOGICAL CANCER*

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2005; 15 (6): 1131-1134
- **Congenital internal hernia as a cause of small bowel obstruction: CT findings in 11 adult patients** *BRITISH JOURNAL OF RADIOLOGY*  
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2005; 78 (933): 796-802
  - **Letter from the guest editor. Magnetic resonance imaging of the abdomen--part I. Seminars in ultrasound, CT, and MR**  
Gayer, G.  
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  - **Bilateral pelvic urinomas following ureteral injury from surgery: lymphocele look-alikes on computed tomography.** *Emergency radiology*  
Gayer, G., Halperin, R., Vasserma, M., Siegel, Y.  
2005; 11 (3): 167-169
  - **Computed tomographic features of afferent Loop syndrome: Pictorial essay** *CANADIAN ASSOCIATION OF RADIOLOGISTS JOURNAL-JOURNAL DE L ASSOCIATION CANADIENNE DES RADIOLOGISTES*  
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  - **CT appearance of a retained "fish" in the abdomen** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Gayer, G., Karni, T., Vasserma, M.  
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  - **Computed tomographic findings of abdominal complications of Crohn's disease - Pictorial essay** *CANADIAN ASSOCIATION OF RADIOLOGISTS JOURNAL-JOURNAL DE L ASSOCIATION CANADIENNE DES RADIOLOGISTES*  
Zissin, R., Hertz, M., Osadchy, A., Novis, B., Gayer, G.  
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  - **Postoperative pneumoperitoneum: Prevalence, duration, and possible significance** *SEMINARS IN ULTRASOUND CT AND MRI*  
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  - **Postoperative anatomic and pathologic findings at CT following colonic resection** *SEMINARS IN ULTRASOUND CT AND MRI*  
Zissin, R., Gayer, G.  
2004; 25 (3): 222-238
  - **Ureteral injuries: CT diagnosis** *SEMINARS IN ULTRASOUND CT AND MRI*  
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  - **Small bowel obstruction secondary to Crohn disease: CT findings** *ABDOMINAL IMAGING*  
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  - **Dense ascites: CT manifestations and clinical implications.** *Emergency radiology*  
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  - **Traumatic rupture of the diaphragm: CT diagnosis** *ISRAEL MEDICAL ASSOCIATION JOURNAL*  
Ringler, L., Lavy, R., Gayer, G.  
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  - **Vascular lesions of the renal sinus.** *Emergency radiology*  
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- **Computed tomographic features of intraperitoneal fat-containing lesions: pictorial essay** *CANADIAN ASSOCIATION OF RADIOLOGISTS JOURNAL- JOURNAL DE L ASSOCIATION CANADIENNE DES RADIOLOGISTES*  
Zissin, R., Osadchy, A., Gayer, G., Shapiro-Feinberg, M., Rathaus, V.  
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- **CT findings of intussusception in adults** *SEMINARS IN ULTRASOUND CT AND MRI*  
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- **Congenital pulmonary venolobar syndrome: Spectrum of helical CT findings with emphasis on computerized reformatting** *88th Scientific Assembly and Annual Meeting of the Radiological-Society-of-North-America*  
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- **IVC anomalies and right renal aplasia detected on CT: a possible link?** *ABDOMINAL IMAGING*  
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- **Pulmonary embolism-the initial manifestation of renal cell carcinoma in a young woman.** *Emergency radiology*  
Gayer, G., Mini, S., Olchovsky, D., Leibovitch, I., Apter, S., Weitzen, R., Hertz, M.  
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- **Spontaneous rupture of the spleen detected on CT as the initial manifestation of infectious mononucleosis.** *Emergency radiology*  
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- **Delayed rupture of abdominal aortic false aneurysm following blunt trauma.** *Emergency radiology*  
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- **Congenital anomalies of the inferior vena cava revealed on CT in patients with deep vein thrombosis** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
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- **Typhlitis as a rare cause of a psoas abscess** *ABDOMINAL IMAGING*  
Gayer, G., Apter, S., Zissin, R.  
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- **Torsion of a wandering spleen** *ISRAEL MEDICAL ASSOCIATION JOURNAL*  
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Rosin, D., Bank, I., Gayer, G., Rimon, U., Gur, D., Kuriansky, Y., Morag, B., Pras, M., Ayalon, A.  
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- **Perforations of the rectosigmoid colon induced by cleansing enema: CT findings in 14 patients** *ABDOMINAL IMAGING*  
Gayer, G., Zissin, R., Apter, S., Oscadchy, A., Hertz, M.  
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Arazi-Kleinmann, T., Mor, Y., Brand, N., Gayer, G.  
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- **Granulomatous appendicitis presenting as right lower quadrant pain: CT findings** *ABDOMINAL IMAGING*  
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