

Bernard E Van Beers

List of Publications by Year in descending order

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127
papers

7,140
citations

53794

45
h-index

60623

81
g-index

130
all docs

130
docs citations

130
times ranked

6837
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial for "Hepatic Steatosis Has No Effect in Diagnosis Accuracy of <sc>LI-RADS</sc> v2018 Categorization of Hepatocellular Carcinoma in <sc>MR</sc> Imaging" Journal of Magnetic Resonance Imaging, 2022, 55, 1902-1903.	3.4	0
2	MR elastography: Principles, guidelines, and terminology. Magnetic Resonance in Medicine, 2021, 85, 2377-2390.	3.0	100
3	Tumor Solid Stress: Assessment with MR Elastography under Compression of Patient-Derived Hepatocellular Carcinomas and Cholangiocarcinomas Xenografted in Mice. Cancers, 2021, 13, 1891.	3.7	12
4	Multifrequency magnetic resonance elastography for elasticity quantitation and optimal tissue discrimination: A two-platform liver fibrosis mimicking phantom study. NMR in Biomedicine, 2021, 34, e4543.	2.8	10
5	Necro-inflammatory activity grading in chronic viral hepatitis with three-dimensional multifrequency MR elastography. Scientific Reports, 2021, 11, 19386.	3.3	5
6	The SVD beamformer with diverging waves: a proof-of-concept for fast aberration correction. Physics in Medicine and Biology, 2021, 66, 18LT01.	3.0	5
7	Comparison of pulsed and oscillating gradient diffusion-weighted MRI for characterizing hepatocellular nodules in liver cirrhosis: ex vivo study in a rat model. Journal of Magnetic Resonance Imaging, 2020, 51, 1065-1074.	3.4	2
8	Quantification of hepatic steatosis with ultrasound: promising role of attenuation imaging coefficient in a biopsy-proven cohort. European Radiology, 2020, 30, 2293-2301.	4.5	65
9	CT and MR perfusion techniques to assess diffuse liver disease. Abdominal Radiology, 2020, 45, 3496-3506.	2.1	13
10	Assessing Tumor Mechanics by MR Elastography at Different Strain Levels. Journal of Magnetic Resonance Imaging, 2019, 50, 1982-1989.	3.4	12
11	Stability of radiomics features in apparent diffusion coefficient maps from a multi-centre test-retest trial. Scientific Reports, 2019, 9, 4800.	3.3	93
12	Endothelial fatty liver binding protein 4: a new targetable mediator in hepatocellular carcinoma related to metabolic syndrome. Oncogene, 2019, 38, 3033-3046.	5.9	46
13	In vitro distinction between proinflammatory and antiinflammatory macrophages with gadolinium-liposomes and ultrasmall superparamagnetic iron oxide particles at 3.0T. Journal of Magnetic Resonance Imaging, 2019, 49, 1166-1173.	3.4	4
14	Quantitative MRI in murine radiation-induced rectocolitis: comparison with histopathological inflammation score. NMR in Biomedicine, 2018, 31, e3897.	2.8	8
15	Quantification of hepatic perfusion and hepatocyte function with dynamic gadoxetic acid-enhanced MRI in patients with chronic liver disease. Clinical Science, 2018, 132, 813-824.	4.3	19
16	Magnetic resonance elastography of liver and spleen: Methods and applications. NMR in Biomedicine, 2018, 31, e3891.	2.8	30
17	Strategies and technical challenges for imaging oligometastatic disease: Recommendations from the European Organisation for Research and Treatment of Cancer imaging group. European Journal of Cancer, 2018, 91, 153-163.	2.8	107
18	Obesity-induced pancreatopathy in rats is reversible after bariatric surgery. Scientific Reports, 2018, 8, 16295.	3.3	18

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19	Liver Imaging and Hepatobiliary Contrast Media. Contrast Media and Molecular Imaging, 2018, 2018, 1-2.	0.8	1
20	Liver Perfusion Modifies Gd-DTPA and Gd-BOPTA Hepatocyte Concentrations Through Transfer Clearances Across Sinusoidal Membranes. European Journal of Drug Metabolism and Pharmacokinetics, 2017, 42, 657-667.	1.6	7
21	Strong antineoplastic effects of metformin in preclinical models of liver carcinogenesis. Clinical Science, 2017, 131, 27-36.	4.3	22
22	Quantitative Imaging in Diffuse Liver Diseases. Seminars in Liver Disease, 2017, 37, 243-258.	3.6	11
23	Hepatic Fibrosis, Inflammation, and Steatosis: Influence on the MR Viscoelastic and Diffusion Parameters in Patients with Chronic Liver Disease. Radiology, 2017, 283, 98-107.	7.3	53
24	Hepatic gadoxetic acid uptake as a measure of diffuse liver disease: Where are we?. Journal of Magnetic Resonance Imaging, 2017, 45, 646-659.	3.4	54
25	Gadoxetate-enhanced MR imaging and compartmental modelling to assess hepatocyte bidirectional transport function in rats with advanced liver fibrosis. European Radiology, 2017, 27, 1804-1811.	4.5	24
26	Cannabinoid receptor activation in the juvenile rat brain results in rapid biomechanical alterations: Neurovascular mechanism as a putative confounding factor. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 954-964.	4.3	12
27	Hepatic fat fraction and visceral adipose tissue fatty acid composition in mice: Quantification with 7.0T MRI. Magnetic Resonance in Medicine, 2016, 76, 510-518.	3.0	25
28	Insights into the diagnosis of hepatocellular carcinomas with hepatobiliary MRI. Journal of Hepatology, 2016, 64, 708-716.	3.7	37
29	Liver steatosis assessed by preoperative MRI: An independent risk factor for severe complications after major hepatic resection. Surgery, 2016, 159, 1050-1057.	1.9	14
30	Assessment of the residual tumour of colorectal liver metastases after chemotherapy: diffusion-weighted MR magnetic resonance imaging in the peripheral and entire tumour. European Radiology, 2016, 26, 206-215.	4.5	24
31	Apparent diffusion coefficient is highly reproducible on preclinical imaging systems: Evidence from a seven-center multivendor study. Journal of Magnetic Resonance Imaging, 2015, 42, 1759-1764.	3.4	15
32	Microvasculature alters the dispersion properties of shear waves - a multi-frequency MR elastography study. NMR in Biomedicine, 2015, 28, 1763-1771.	2.8	20
33	Hepatic Proliferation and Angiogenesis Markers Are Increased after Portal Deprivation in Rats: A Study of Molecular, Histological and Radiological Changes. PLoS ONE, 2015, 10, e0125493.	2.5	10
34	Advanced Fibrosis: Correlation between Pharmacokinetic Parameters at Dynamic Gadoxetate-enhanced MR Imaging and Hepatocyte Organic Anion Transporter Expression in Rat Liver. Radiology, 2015, 274, 379-386.	7.3	36
35	New imaging techniques for liver diseases. Journal of Hepatology, 2015, 62, 690-700.	3.7	100
36	Characterization of fortuitously discovered focal liver lesions: additional information provided by shearwave elastography. European Radiology, 2015, 25, 346-358.	4.5	44

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37	Is magnetic resonance imaging of hepatic hemangioma any different in liver fibrosis and cirrhosis compared to normal liver?. <i>European Journal of Radiology</i> , 2015, 84, 816-822.	2.6	15
38	Reply to: "Strain ultrasound elastography for liver diseases". <i>Journal of Hepatology</i> , 2015, 63, 535.	3.7	0
39	Viscoelastic Parameters for Quantifying Liver Fibrosis: Three-Dimensional Multifrequency MR Elastography Study on Thin Liver Rat Slices. <i>PLoS ONE</i> , 2014, 9, e94679.	2.5	20
40	Focal lesions in cirrhotic liver: what else beyond hepatocellular carcinoma?. <i>Diagnostic and Interventional Radiology</i> , 2014, 20, 222-228.	1.5	45
41	Science to Practice: Can We Diagnose Nonalcoholic Steatohepatitis with Intravoxel Incoherent Motion Diffusion-weighted MR Imaging?. <i>Radiology</i> , 2014, 270, 1-2.	7.3	79
42	Quantification of the triglyceride fatty acid composition with 3.0T MRI. <i>NMR in Biomedicine</i> , 2014, 27, 1211-1221.	2.8	54
43	Hepatic hemangiomas: Factors associated with T2 shine-through effect on diffusion-weighted MR sequences. <i>European Journal of Radiology</i> , 2014, 83, 468-478.	2.6	36
44	Assessment of portal hypertension and high-risk oesophageal varices with liver and spleen three-dimensional multifrequency MR elastography in liver cirrhosis. <i>European Radiology</i> , 2014, 24, 1394-402.	4.5	103
45	Rapid acquisition of multifrequency, multislice and multidirectional MR elastography data with a fractionally encoded gradient echo sequence. <i>NMR in Biomedicine</i> , 2013, 26, 1326-1335.	2.8	77
46	Early detection of liver steatosis by magnetic resonance imaging in rats infused with glucose and Intralipid solutions and correlation to insulin levels. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1850-1857.	3.4	17
47	Diffusion-weighted and T2-weighted MR imaging for colorectal liver metastases detection in a rat model at 7T: a comparative study using histological examination as reference. <i>European Radiology</i> , 2013, 23, 2156-2164.	4.5	10
48	Fat deposition decreases diffusion parameters at MRI: a study in phantoms and patients with liver steatosis. <i>European Radiology</i> , 2013, 23, 461-467.	4.5	35
49	Determination of Malignancy and Characterization of Hepatic Tumor Type With Diffusion-Weighted Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2013, 48, 722-728.	6.2	54
50	Abstract 3345: Induction of apoptosis by high levels of oscillatory shear strain: proof of concept in a human colon cancer metastasis cell line.. , 2013, , .		1
51	Diffusion-weighted MR Imaging for the Regional Characterization of Liver Tumors. <i>Radiology</i> , 2012, 264, 464-472.	7.3	69
52	Elasticity Imaging via MRI: Basics, Overcoming the Waveguide Limit, and Clinical Liver Results. <i>Current Medical Imaging</i> , 2012, 8, 56-63.	0.8	14
53	MR elastography of liver tumours: value of viscoelastic properties for tumour characterisation. <i>European Radiology</i> , 2012, 22, 2169-2177.	4.5	136
54	Colon Tumor Growth and Antivasular Treatment in Mice: Complementary Assessment with MR Elastography and Diffusion-weighted MR Imaging. <i>Radiology</i> , 2012, 264, 436-444.	7.3	55

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55	High- <i>b</i> -Value Diffusion-weighted MR Imaging of Benign Hepatocellular Lesions: Quantitative and Qualitative Analysis. <i>Radiology</i> , 2012, 262, 511-519.	7.3	77
56	Primovist, Eovist: What to expect?. <i>Journal of Hepatology</i> , 2012, 57, 421-429.	3.7	343
57	Apparent diffusion coefficient from magnetic resonance imaging as a biomarker in oncology drug development. <i>European Journal of Cancer</i> , 2012, 48, 425-431.	2.8	68
58	New acquisition techniques: fields of application. <i>Abdominal Imaging</i> , 2012, 37, 155-163.	2.0	10
59	New MR imaging criteria with a diffusion-weighted sequence for the diagnosis of hepatocellular carcinoma in chronic liver diseases. <i>Journal of Hepatology</i> , 2011, 55, 126-132.	3.7	160
60	Celiac Artery Occlusive Disease: A Rare but Potentially Critical Condition in Patients Undergoing Pancreaticoduodenectomy. <i>Hepato-Gastroenterology</i> , 2011, 58, 1377-1383.	0.5	8
61	Conservative and operative management of benign solid hepatic tumours. <i>European Journal of Gastroenterology and Hepatology</i> , 2010, 22, 1337-1344.	1.6	15
62	The "inside approach of the gallbladder" is an alternative to the classic Calot's triangle dissection for a safe operation in severe cholecystitis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2010, 24, 2626-2632.	2.4	55
63	MRI of iron-oxide labelled transplanted hepatocytes in mice: Effect of treatment with cyclophosphamide. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 367-375.	3.4	7
64	Elasticity reconstruction: Beyond the assumption of local homogeneity. <i>Comptes Rendus - Mecanique</i> , 2010, 338, 474-479.	2.1	17
65	Liver Fibrosis in Chronic Hepatitis C Virus Infection: Differentiating Minimal from Intermediate Fibrosis with Perfusion CT. <i>Radiology</i> , 2010, 256, 135-142.	7.3	116
66	Early Detection of Steatohepatitis in Fatty Rat Liver by Using MR Elastography. <i>Radiology</i> , 2009, 253, 90-97.	7.3	134
67	Biomarkers in abdominal imaging. <i>Abdominal Imaging</i> , 2009, 34, 663-667.	2.0	23
68	Comparison of 1.0 M Gadobutrol and 0.5 M Gadopentetate Dimeglumine-Enhanced Magnetic Resonance Imaging in Five Hundred Seventy-Two Patients With Known or Suspected Liver Lesions. <i>Investigative Radiology</i> , 2009, 44, 168-176.	6.2	35
69	Autoimmune Pancreatitis, Sclerosing Cholangitis, Liver Inflammatory Pseudotumors, Retroperitoneal Fibrosis, Lymphadenopathy, and Sialoadenitis in a Single Patient. <i>Pancreas</i> , 2009, 38, 476-478.	1.1	10
70	Rare presentation of familial paraganglioma without evidence of mutation in the SDH, RET and VHL genes: towards further genetic heterogeneity. <i>Journal of Hypertension</i> , 2009, 27, 76-82.	0.5	2
71	Benign Focal Lesions. , 2009, , 73-94.		0
72	Transvascular and interstitial transport in rat hepatocellular carcinomas: Dynamic contrast-enhanced MRI assessment with low- and high-molecular weight agents. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 906-914.	3.4	23

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73	MR elastography of liver fibrosis: preliminary results comparing spin-echo and echo-planar imaging. <i>European Radiology</i> , 2008, 18, 2535-2541.	4.5	78
74	Magnetic Resonance Elastography for the Noninvasive Staging of Liver Fibrosis. <i>Gastroenterology</i> , 2008, 135, 32-40.	1.3	650
75	Liver Fibrosis: Noninvasive Assessment with MR Elastography versus Aspartate Aminotransferase-to-Platelet Ratio Index. <i>Radiology</i> , 2007, 245, 458-466.	7.3	353
76	Assessment of diffusion-weighted MR imaging in liver fibrosis. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 122-128.	3.4	135
77	Hepatic viscoelastic parameters measured with MR elastography: Correlations with quantitative analysis of liver fibrosis in the rat. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 956-962.	3.4	84
78	Urinary calculi: improved detection and characterization with thin-slice multidetector CT. <i>European Radiology</i> , 2006, 16, 161-165.	4.5	35
79	Liver fibrosis: non-invasive assessment with MR elastography. <i>NMR in Biomedicine</i> , 2006, 19, 173-179.	2.8	389
80	Esophageal Varices: Evaluation with Transesophageal MR Imaging—Initial Experience. <i>Radiology</i> , 2006, 238, 167-175.	7.3	11
81	131I-Labelled-iodized oil for palliative treatment of hepatocellular carcinoma. <i>European Journal of Gastroenterology and Hepatology</i> , 2005, 17, 905-910.	1.6	17
82	Coronary Artery Stenosis: Direct Comparison of Four-Section Multi-Detector Row CT and 3D Navigator MR Imaging for Detection—Initial Results. <i>Radiology</i> , 2005, 234, 98-108.	7.3	46
83	Liver Segmentation in Living Liver Transplant Donors: Comparison of Semiautomatic and Manual Methods. <i>Radiology</i> , 2005, 234, 171-178.	7.3	107
84	Preoperative assessment of pancreatic tumors using magnetic resonance imaging, endoscopic ultrasonography, positron emission tomography and laparoscopy. <i>Pancreatology</i> , 2005, 5, 553-561.	1.1	65
85	Head-to-Head Comparison of Three-Dimensional Navigator-Gated Magnetic Resonance Imaging and 16-Slice Computed Tomography to Detect Coronary Artery Stenosis in Patients. <i>Journal of the American College of Cardiology</i> , 2005, 46, 92-100.	2.8	137
86	Hepatic haemangioma in adults: excellent outcome following liver transplantation. <i>Transplant International</i> , 2004, 17, 202-207.	1.6	21
87	Glomerular filtration rate: Assessment with dynamic contrast-enhanced MRI and a cortical-compartment model in the rabbit kidney. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 843-849.	3.4	122
88	Inflow correction of hepatic perfusion measurements using T1-weighted, fast gradient-echo, contrast-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 710-717.	3.0	54
89	Capillarization of the sinusoids in liver fibrosis: Noninvasive assessment with contrast-enhanced MRI in the rabbit. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 692-699.	3.0	92
90	Hepatic Flow Parameters Measured with MR Imaging and Doppler US: Correlations with Degree of Cirrhosis and Portal Hypertension. <i>Radiology</i> , 2003, 229, 409-414.	7.3	276

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91	Left lobe living related liver transplantation in the absence of an extrahepatic left portal vein. Transplantation, 2002, 74, 278-279.	1.0	6
92	Dynamic computed tomography with low- and high-molecular-mass contrast agents to assess microvascular permeability modifications in a model of liver fibrosis. Clinical Science, 2002, 103, 213.	4.3	20
93	Persistent decreased plasma cholecystokinin levels in celiac patients under gluten-free diet: respective roles of histological changes and nutrient hydrolysis. Regulatory Peptides, 2002, 110, 55-63.	1.9	14
94	Long-term asymptomatic biochemical cholestasis after fulminant or subfulminant liver failure is associated with extensive postnecrotic collapse with regeneration of the liver. Liver, 2002, 22, 83-86.	0.1	0
95	Positive F-18 FDG Positron Emission Tomography in the Perineum After Anorectal Reconstruction. Clinical Nuclear Medicine, 2002, 27, 363-364.	1.3	2
96	Hepatic Perfusion Parameters in Chronic Liver Disease. American Journal of Roentgenology, 2001, 176, 667-673.	2.2	294
97	Biodistribution of ultrasmall iron oxide particles in the rat liver. Journal of Magnetic Resonance Imaging, 2001, 13, 594-599.	3.4	41
98	Value of Multislice Helical CT Scans and Maximum-Intensity-Projection Images to Improve Detection of Ureteral Stones at Abdominal Radiography. American Journal of Roentgenology, 2001, 177, 1117-1121.	2.2	32
99	Non-invasive quantification of liver perfusion with dynamic computed tomography and a dual-input one-compartmental model. Clinical Science, 2000, 99, 517.	4.3	73
100	Pancreaticopleural Fistula. Chest, 2000, 117, 912-914.	0.8	76
101	Gadolinium-enhanced arterial-phase MR imaging of hypervascular liver tumors: Comparison between tailored and fixed scanning delays in the same patients. Journal of Magnetic Resonance Imaging, 2000, 11, 244-249.	3.4	22
102	Prognosis of Ischemic Colitis. American Journal of Roentgenology, 2000, 175, 1151-1154.	2.2	73
103	Focal Nodular Hyperplasia: Natural Course Observed with CT and MRI. Journal of Computer Assisted Tomography, 2000, 24, 61-66.	0.9	53
104	MR imaging of hypervascular liver tumors: Timing optimization during the arterial phase. Journal of Magnetic Resonance Imaging, 1999, 9, 562-567.	3.4	30
105	TRANSJUGULAR INTRAHEPATIC PORTOSYSTEMIC SHUNT AFTER ADULT LIVER TRANSPLANTATION. Transplantation, 1999, 68, 379-384.	1.0	51
106	Comparison of Unenhanced and Gadoxetate Disodium-Enhanced Spin-Echo Magnetic Resonance Imaging for the Detection of Experimental Hepatocellular Carcinoma in the Rat. Investigative Radiology, 1998, 33, 80-84.	6.2	4
107	Inflammatory Pseudotumor of the Liver: MRI with Mangafodipir Trisodium. Journal of Computer Assisted Tomography, 1998, 22, 82-84.	0.9	34
108	Detection of reperfused ischemia of the rat intestine: value of magnetic resonance imaging with small-molecular-weight dysprosium and gadolinium chelates. Academic Radiology, 1997, 4, 35-42.	2.5	9

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109	Hepatobiliary cystadenocarcinoma without ovarian stroma and normal CA 19-9 levels. Unusually prolonged evolution. <i>Digestive Diseases and Sciences</i> , 1997, 42, 1406-1408.	2.3	23
110	Adult Polycystic Liver Disease. <i>Annals of Surgery</i> , 1997, 225, 286-294.	4.2	166
111	Intrahepatic Cholangiocarcinoma: MRI and Pathologic Correlation in 14 Patients. <i>Journal of Computer Assisted Tomography</i> , 1997, 21, 59-65.	0.9	74
112	Laparoscopic splenectomy in adults and children: Experience with 31 patients. <i>Surgery</i> , 1996, 119, 384-389.	1.9	67
113	Reperfused ischemia of the rat intestine: Detection by MR imaging with polylysine-Gd-DTPA enhancement. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 131-135.	3.0	3
114	Clinical Image. Spiral CT Cholangiography of Choledochoceles. <i>Journal of Computer Assisted Tomography</i> , 1996, 20, 814.	0.9	6
115	Comparison of Gadolinium-DTPA and Polylysine-Gadolinium-DTPA-Enhanced Magnetic Resonance Imaging of Hepatocarcinoma in the Rat. <i>Investigative Radiology</i> , 1995, 30, 572-581.	6.2	10
116	Benign Hepatocellular Tumors. <i>Journal of Computer Assisted Tomography</i> , 1995, 19, 412-418.	0.9	71
117	Gd-EOB-DTPA enhancement pattern of hepatocellular carcinomas in rats: Comparison with Tc-99m-IDA uptake. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 351-354.	3.4	16
118	CT of the Portal Vein after Portacaval Shunt with Arterialization. <i>Journal of Computer Assisted Tomography</i> , 1994, 18, 774.	0.9	5
119	Hodgkin's and non-Hodgkin's hepatic lymphoma: Sonographic findings. <i>Abdominal Imaging</i> , 1993, 18, 339-343.	2.0	29
120	Primary lymphoma of the liver: MR findings. <i>European Journal of Radiology</i> , 1993, 16, 209-212.	2.6	18
121	Focal necrosis of the ureter following CT-guided chemical sympathectomy. <i>CardioVascular and Interventional Radiology</i> , 1992, 15, 180-182.	2.0	23
122	Male genital tract malformations associated with ipsilateral renal agenesis: Sonographic findings. <i>Journal of Clinical Ultrasound</i> , 1991, 19, 3-10.	0.8	34
123	Gravity-Dependent Infiltrates in a Patient with Lipoid Pneumonia. <i>Chest</i> , 1990, 98, 1253-1254.	0.8	18
124	Intrathoracic Rib. <i>Journal of Computer Assisted Tomography</i> , 1990, 14, 133-135.	0.9	12
125	Thoracic Collateral Venous Channels. <i>Journal of Computer Assisted Tomography</i> , 1990, 14, 769-773.	0.9	24
126	Nontumorous attenuation differences on computed tomographic portography. <i>Gastrointestinal Radiology</i> , 1990, 15, 107-111.	0.4	24

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127	CT Findings of Perforated Duodenal Diverticulitis. Journal of Computer Assisted Tomography, 1989, 13, 528-530.	0.9	28