

实用放射学杂志

SHIYONG FANGSHEXUE ZAZHI

月刊 1985年3月创刊 第37卷 第6期 (总第384期) 2021年6月20日出版

主管
陕西省卫生健康委员会

主办
实用放射学杂志社

编辑
实用放射学杂志编辑委员会

主编
张明 崔光彬

社长
杨军乐

出版
实用放射学杂志社
西安市环城南路西段20号
海联大厦605室 710068

电话
社长室 (029)88404722
办公室、广告部
(029)85416563
编辑部、发行部
(029)85416162

E-mail: syfsxzz@sina.com
网址: www.syfsxzz.com.cn

印刷
西安盛景印务有限公司

发行
国内: 中国邮政集团公司陕西省
报刊发行局
国外: 中国国际图书贸易集团
有限公司
(北京399信箱, 100044)
代号: M 5986

订 阅
全国各地邮政局
邮发代号: 52-93

邮 购
实用放射学杂志社发行部

定 价
每期 15.00 元, 全年 180.00 元
中国标准连续出版物号

ISSN 1002-1671
CN 61-1107 / R

2021 年版权归实用放射学杂志社所有
如有印装质量问题, 本刊发行部
负责调换

目 次

中枢神经放射学

- 扩散张量成像示踪技术在正常成人中脑纤维束中的应用 扶 宇, 曹付强, 王本瀚, 等 (877)
- 亚急性期缺血性脑卒中 FVH 在侧支循环建立状态及临床预后评估中的应用价值 周建国, 卢明聪, 孟 云, 等 (881)
- 抗 N-甲基-D-天冬氨酸受体脑炎 MRI 特征分析 王宇新, 高培毅 (885)
- 基于扩散峰度成像对特发性全身性癫痫的研究 母 山, 鲁 毅, 曾一真, 等 (889)
- 缺血性脑卒中侧支循环评分法在四维 CT 血管成像中的应用 李金芳, 万 娜, 郭 瑞, 等 (893)

头颈部放射学

- 纵横比在 CT 鉴别甲状腺结节良恶性中的价值 陶 全, 刘振霞, 陈克敏, 等 (897)
- 体素内不相干运动扩散加权成像在甲状腺结节病理分型中的研究 付 晓, 张 琼, 卢思言, 等 (901)

胸部放射学

- 基于胸部 CT 图像的肺腺癌质量预测靶向治疗敏感性研究 郭 炜, 王晓华, 袁慧书, 等 (905)
- 高分辨率 CT 在肺磨玻璃结节浸润前病变与浸润性病变的诊断价值 孔 芳, 张晓磊, 段艳华, 等 (909)
- CT 影像组学鉴别纯磨玻璃结节型肺腺癌惰性与浸润性生长的价值 杨新官, 李 迅, 童秋云, 等 (913)
- CT 在胸腺上皮肿瘤 WHO 新分类的诊断及鉴别诊断中的应用 徐佳佳, 闵 朋, 陈晓荣 (918)
- 高分辨率 CT 及人工智能在家庭聚集性新型冠状病毒肺炎的应用 曹丽君, 李 伟, 余海龙, 等 (923)
- 原发性肺黏液表皮样癌的 CT 诊断 杨 蕾, 张在先, 刘 欢, 等 (927)

心血管放射学

- 双源 CT 前瞻性绝对时相单收缩期采集在高心率患者中的应用 祁荣兴, 阮席武, 黄 胜, 等 (931)

乳腺放射学

- 表观扩散系数 MRI 影像组学预测乳腺浸润性导管癌 Luminal 分型的初步研究 李卓琳, 赵美琳, 丁莹莹, 等 (936)
- 锥光束乳腺 CT 及超声引导乳腺穿刺标本与手术标本对比分析 蒙丽宇, 苏丹柯, 康 巍, 等 (940)

腹部放射学

- 螺旋 CT 对胃癌术前 T 分期的诊断价值 张治邦, 王少健, 陈 娇, 等 (945)
- MRI 结构式报告在直肠癌术前评估中的应用 唐 翠, 王培军, 徐津磊, 等 (949)

CT 纹理分析预测结直肠癌中 KRAS 基因突变的可行性研究	徐青青,柏根基,朱 艳,等(954)
泌尿生殖放射学	
妊娠滋养细胞肿瘤化疗前后 MRI 表现与分析	赵维敬,梁宇霆,王新莲,等(958)
卵巢病变合并附件扭转的 CT 及 MRI 特征分析	井 勇,李刚锋,雷学斌,等(961)
膀胱副神经节瘤的多层螺旋 CT 诊断价值	牛 琳,荣璐璐,蒋 涛(965)
基于 bp-MRI 影像组学模型对首诊前列腺癌骨转移的预测价值	董 浩,卢光明(968)
基于能谱 CT 平扫构建肾盂旁囊肿与非结石性积水的鉴别诊断模型	燕洋洋,韩 冬,师卫华,等(972)
肾脏透明细胞癌的部分 CT 征象与病理分级的相关性	汪鑫斌,段润卿,王灿云,等(977)
骨骼肌肉放射学	
创伤相关性膝关节髌下脂肪垫病变的 MRI 表现	任 翠,朱 巧,郎 宁,等(980)
马尔尼菲蓝状菌骨感染病变的影像学分析	史晓天,顾玉婷,李 凯,等(985)
小儿放射学	
MRI 定量评估先天性膈疝胎儿预后的受试者工作特征曲线分析	杨朝湘,韩鹏慧,王 霞,等(989)
扩散加权成像评估双胎妊娠一胎宫内死亡的存活胎儿脑部改变	刘 颖,霍 然,王 箐,等(993)
MRI 在胎儿后颅窝池增宽疾病中的诊断价值	王建涛,常利名,李素荣,等(997)
三维磁敏感加权成像对胎儿脊柱发育畸形的应用价值	周 宁,刘鸿圣,刘振清,等(1000)
小儿肺炎支原体肺炎 X 线胸片呈段/叶模式分型探讨	陈胜友,胡克非,徐艳鸿(1003)
介入放射学	
远近端双重栓塞法在急性大咯血介入术中的应用	马 宏,戴福宏,车 明,等(1006)
影像技术学	
前置自适应迭代重建技术在双低 CT 肺动脉成像中的应用	胡 纳,王 辉,严高武,等(1009)
单次屏气与呼吸触发三维可变反转角快速自旋回波序列在 MR 胰胆管成像中的 应用比较	李 馨,朱寅虎,金大永,等(1013)
实验研究	
缺血缺氧对 VX2 细胞自噬活性和生物学行为的影响	张延超,刘旺根,王朝阳,等(1017)
综 述	
IDEAL-IQ 在脂肪性胰腺相关疾病中的研究进展	田卫卫,王 旭,王茹茹,等(1022)
MRI 影像组学在乳腺癌诊疗中的研究进展	崔曹哲,康竹清,武慧慧,等(1025)
强直性脊柱炎急性期骨髓微环境的 MRI 研究进展	马丽萍,辛顺宝,张 刚,等(1028)
影像组学在肺磨玻璃结节中的研究进展	陈雅荣,刘挨师(1032)
病例报道	
乳腺癌支气管转移 1 例	周纪宇,周 倩,郭 达,等(1035)
新型冠状病毒肺炎 CT 动态变化 1 例	许凡勇,夏进东,陈君华,等(1036)
肺原发性脑膜瘤 1 例并文献复习	何 青,罗洪建,江 林,等(1038)
膀胱血管淋巴管瘤 1 例	林奕城,郭 立,王依影(1040)
肺良性转移性子宫平滑肌瘤 1 例	郭君君,胡必富,张 露,等(1041)
第三脑室脊索样胶质瘤 1 例	吴白龙,徐鹏举,刘 浩,等(1042)
脑膜原发囊实性黑色素瘤 1 例	杜 敏,陈月芹,党 娜,等(1044)
先天性食管闭锁伴气管食管瘘 1 例	陈 明,王艳艳,蒋小莉(1045)
《实用放射学杂志》参考文献要求	(929)
下期要目预告	(984)

责任编辑 郑敏文 责任编辑 杨军乐 校对 高燕青 排版 张新侠
 英文审校 杨广夫 印 弘 吕 粟 于德新 陈宝莹 任 静 陈 欣 刘 莹

Responsible Institution

Health Commission of Shaanxi Province

Sponsor

Periodical Office of Journal of Practical Radiology

Editing

Editorial Department of Journal of Practical Radiology

Editor-in-Chief ZHANG Ming
CUI Guangbin

President YANG Junle

Publishing Periodical Office of Journal of Practical Radiology

Rm 605, Hailian Mansion, No.20 South Huancheng Rd, Xi'an 710068, China

Tel Editorial Dept.
(029) 85416162
(029) 85416563

E-mail syfsxzz@sina.com
Website www.syfsxzz.com.cn

Printing

Xi'an Shengjing Printing Co.Ltd.

General Distributor

Domestic:China Post Distributing Bureau of Newspapers and Periodicals of Shaanxi Province
Foreign:China International Book Trading Corporation P. O. Box 399, Beijing 100044, China Code No.M 5986

Subscription Local Post Offices

Code No. 52-93

Mail-Order Editorial Department of Journal of Practical Radiology

CSSN ISSN 1002-1671
CN 61-1107 / R

Copyright © 2021 by the Periodical Office of Journal of Practical Radiology

MAIN CONTENTS

Neuroradiology

- Application research of diffusion tensor imaging tracer technology in normal adult midbrain fiber tracts FU Yu, CAO Fuqiang, WANG Benhan, et al (877)
- The application value of FVH in the establishment of collateral circulation and the evaluation of clinical prognosis in subacute ischemic stroke ZHOU Jianguo, LU Mingcong, MENG Yun, et al (881)
- MRI features of anti-N-methyl-D-aspartate receptor encephalitis WANG Yuxin, GAO Peiyi (885)
- A diffusion kurtosis imaging study of idiopathic generalized epilepsy MU Shan, LU Yi, ZENG Yizhen, et al (889)
- The application of collateral circulation scoring methods of ischemic stroke in four-dimensional CT angiography LI Jinfang, WAN Na, GUO Rui, et al (893)

Head and Neck Radiology

- Value of anteroposterior to transverse diameter ratio of thyroid nodules on CT for differentiating benign and malignant lesions TAO Quan, LIU Zhenxia, CHEN Keming, et al (897)
- Study of intravoxel incoherent motion diffusion weighted imaging in the pathological classification of thyroid nodules FU Xiao, ZHANG Qiong, LU Siyan, et al (901)

Thoracic Radiology

- The mass captured from chest CT to predict the sensitivity of lung adenocarcinoma with targeted therapy GUO Wei, WANG Xiaohua, YUAN Huishu, et al (905)
- The diagnostic value of high resolution CT in pre-invasive lesions and invasive lesions of lung ground glass nodules KONG Fang, ZHANG Xiaolei, DUAN Yanhua, et al (909)
- The value of CT radiomics in differentiating pure ground glass nodules between indolent and infiltrative growth of lung adenocarcinoma YANG Xinguan, LI Xun, TONG Qiuyun, et al (913)
- Application value of CT in the diagnosis and differential diagnosis of thymic epithelial tumors between WHO new classifications XU Jiajia, MIN Peng, CHEN Xiaorong (918)
- Application of high resolution CT and artificial intelligence in family clustering COVID-19 CAO Lijun, LI Wei, YU Hailong, et al (923)
- CT diagnosis of primary pulmonary mucoepidermoid carcinoma YANG Lei, ZHANG Zaixian, LIU Huan, et al (927)

Cardiovascular Radiology

- Prospective sequence acquisition in systolic phases using absolute delay time for dual-source CT in patients with high heart rate QI Rongxing, RUAN Xiwu, HUANG Sheng, et al (931)

Breast Radiology

- A preliminary study on the prediction of Luminal typing of breast invasive ductal carcinoma based on apparent diffusion coefficient MRI radiomics LI Zhuolin, ZHAO Meilin, DING Yingying, et al (936)
- Comparative analysis of breast specimens acquired with cone-beam breast computed tomography-guided core needle biopsy, ultrasound-guided core needle biopsy and surgical resection MENG Liyu, SU Danke, KANG Wei, et al (940)

Abdominal Radiology

- Diagnostic value of spiral CT in preoperative T staging of gastric cancer ZHANG Zhibang, WANG Shaojian, CHEN Jiao, et al (945)

Application of MRI structural report in preoperative evaluation of rectal cancer	TANG Cui,WANG Peijun,XU Jinlei ,et al(949)
Feasibility study of CT texture analysis for predicting KRAS gene mutation in colorectal cancer	XU Qingqing ,BO Genji ,ZHU Yan ,et al(954)
Genitourinary Radiology	
MRI features of gestational trophoblastic neoplasia in pre-and post-chemotherapy	ZHAO Weijing ,LIANG Yuting ,WANG Xinlian ,et al(958)
CT and MRI features of ovarian lesions with adnexal torsion	JING Yong , LI Gangfeng ,LEI Xuebin ,et al(961)
The diagnostic value of multi spiral CT in paraganglioma of the urinary bladder	NIU Lin ,RONG Lulu ,JIANG Tao(965)
The predictive value of bp-MRI radiomics model in the first diagnosis of bone metastasis for prostate cancer	DONG Hao ,LU Guangming(968)
Construct differential diagnosis model of parapelvic cyst and hydronephrosis with non-calculous based on pre-contrast dual-energy spectral CT scans	YAN Yangyang ,HAN Dong ,SHI Weihua ,et al(972)
Correlation between CT features and pathological grade of clear cell renal cell carcinoma	WANG Xinbin ,DUAN Runqing ,WANG Canyun ,et al(977)
Musculoskeletal Radiology	
MRI findings of trauma-related lesions in the infrapatellar fat pad of the knee joint	REN Cui ,ZHU Qiao ,LANG Ning ,et al(980)
Imaging analysis of Talaromyces marneffeii bone infection	SHI Xiaotian ,GU Yuting ,LI Kai ,et al(985)
Pediatric Radiology	
MRI quantitative evaluation of prognosis of fetuses with congenital diaphragmatic hernia by using receiver operating characteristic curve	YANG Chaoxiang ,HAN Penghui ,WANG xia ,et al(989)
Evaluating the cerebral changes in surviving fetus of twin pregnancies with demise of one twin by using diffusion weighted imaging	LIU Ying ,HUO Ran ,WANG Zheng ,et al(993)
The diagnostic value of MRI in diseases with widened fetal posterior cranial fossa pool	WANG Jiantao ,CHANG Liming ,LI Surong ,et al(997)
The value of three-dimensional susceptibility weighted imaging in spinal deformity of fetus	ZHOU Ning ,LIU Hongsheng ,LIU Zhenqing ,et al(1000)
Chest X-ray classification of segmental/lobar pattern mycoplasma pneumoniae pneumonia in children	CHEN Shengyou ,HU Kefei ,XU Yanhong(1003)
Interventional Radiology	
Application of double embolization of the proximal and distal bronchial artery in patients with acute massive hemoptysis	MA Hong ,DAI Fuhong ,CHE Ming ,et al(1006)
Imaging Technology	
The application of prescribed adaptive statistical iterative reconstruction V technique in dual low CT pulmonary angiography	HU Na ,WAGN Hui ,YAN Gaowu ,et al(1009)
Usefulness of breath hold 3D-SPACE sequence in MR cholangiopancreatography:comparison with breath triggered sequence	LI Xin ,ZHU Yinhu ,JIN Dayong ,et al(1013)
Experimental Research	
Effects of ischemia and hypoxia on autophagy activity and biological behavior of VX2 cells	ZHANG Yanchao ,LIU Wanggen ,WANG Zhaoyang ,et al(1017)
Reviews	
Research progress of IDEAL-IQ in fatty pancreas-related diseases	TIAN Weiwei ,WANG Xu ,WANG Ruru ,et al(1022)
Research progress of MRI radiomics in diagnosis and treatment of breast cancer	CUI Caozhe ,KANG Zhuqing ,WU Huihui ,et al(1025)
Progress of MRI in bone marrow microenvironment changes in acute phase of ankylosing spondylitis	MA Liping ,XIN Shunbao ,ZHANG Gang ,et al(1028)
Radiomics in ground-glass pulmonary nodules;a review	CHEN Yarong ,LIU Aishi(1032)
Case Reports	
One case;endobronchial metastases from breast cancer	ZHOU Jiyu ,ZHOU Qian ,GUO Da ,et al(1035)
One case;dynamic changes in CT of COVID-19	XU Fanyong ,XIA Jindong ,CHEN Junhua ,et al(1036)
Primary pulmonary meningioma;one case and literature review	HE Qing ,LUO Hongjian ,JIANG Lin ,et al(1038)
One case;hemolymphangioma in the bladder	LIN Yicheng ,GUO Li ,WANG Yiyi(1040)
One case;pulmonary benign metastasizing leiomyoma	GUO Junjun ,HU Bifu ,ZHANG Lu ,et al(1041)
One case;chordoid glioma of the third ventricle	WU Bailong ,XU Pengju ,LIU Hao ,et al(1042)
One case;primary cystosolid melanoma of meningea	DU Min ,CHEN Yueqin ,DANG Na ,et al(1044)
One case;congenital esophageal atresia with tracheoesophageal fistula	CHEN Ming ,WANG Yanyan ,JIANG Xiaoli(1045)