

实用放射学杂志

SHIYONG FANGSHEXUE ZAZHI

月刊 1985年3月创刊 第39卷 第7期 (总第409期) 2023年7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: 中国邮政集团有限公司
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

2023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

基于扩散张量成像的原发性失眠患者脑白质微结构

变化研究 韩文轩, 何修勇, 段王栋, 等 (1051)

美沙酮对不同 TaqI A1 基因型海洛因依赖者伏隔核

功能连接的影响 李永斌, 王 宁, 杨 姣, 等 (1055)

基于 MRI 影像组学预测垂体腺瘤病理类型 矫秉轩, 秦松楠, 康 冰, 等 (1059)

垂体腺瘤卒中与短 T₁ 信号 Rathke 囊肿的临床及 MRI

特征比较 张安林, 陈 英 (1063)

头颈部放射学

基于静息态功能 MRI 的鼻咽癌患者放疗后远期脑功能

连接变化的研究 宋晓涵, 王丽君, 吕秀鹏 (1067)

Murray 定律在评价颈动脉粥样硬化风险中的临床应用

研究 李新秀, 夏莹莹, 张 贺, 等 (1071)

胸部放射学

PET/MRI 扩散成像与代谢成像参数在评价肺腺癌

Ki-67 指数中的价值 姜 涵, 李自强, 付芳芳, 等 (1075)

≤2 cm 孤立性肺结节影像学评价及与术后病理相关性

..... 虞林湘, 章 斌, 邹浩生, 等 (1080)

人工智能对肺结节影像检出及良恶性诊断的应用价值 赵 明, 刘海峰 (1085)

基于人工智能 CT 定量分析对长径 ≤10 mm 肺磨玻璃

结节浸润程度的预测价值 邓 琦, 徐志锋, 周 涛, 等 (1088)

心血管放射学

不同测量位置对冠状动脉周围脂肪 CT 值评估的影响

..... 白亚妮, 鄂 蓓, 王晓凤, 等 (1093)

乳腺放射学

乳腺简化 MRI 对致密型腺体补充筛查的应用价值 张冬雪, 张晓英, 张水岚, 等 (1097)

腹部放射学

微卫星高度不稳定型胃癌的 CT 及临床病理学特征分析

..... 詹鹏超, 邱庆雅, 刘珂衍, 等 (1101)

基于 MR T₂WI 影像组学预测 2 型糖尿病状态下

急性胰腺炎复发 杜青林, 黄小华, 刘 念, 等 (1106)

MR T₁-mprime 序列在肛瘘分型及诊断中的应用价值 季 丹, 张志国 (1111)

术前增强 MRI 在预测肝细胞肝癌根治术后早期复发

中的价值 左立平, 范金蕾, 石 硕, 等 (1114)

能谱 CT 鉴别直径 ≤3 cm 肝硬化结节和小肝癌 吕沙沙, 郑 静, 牛忠锋 (1119)

胃十二指肠克罗恩病的影像表现及文献复习 刘灵灵, 杨 芳, 周 聪, 等 (1123)

泌尿生殖放射学

基于 PI-RADS v2.1 和 PSAD 建立前列腺穿刺活检预测模型及其效能评估..... 崔 萍,张 继,王 松,等(1127)

卵巢甲状腺肿 MRI 表现特征分析 陆思威,储彩婷,李文华(1132)

MRI 定位子宫宫颈内口方法研究 刘明明,梁宇霆(1135)

骨骼肌肉放射学

MR 关节造影在 10~18 岁髋关节盂唇损伤的位置和分型中的诊断价值 李耀辉,曹 毅,万业达(1138)

股直肌近端附着点损伤的 MRI 表现 李东明,易雪冰,张德洲(1143)

基于 MDM2 基因扩增状态比较四肢软组织脂肪瘤与非典型性脂肪瘤性肿瘤的 MRI 特征 刘鸿利,徐 磊,时 寅,等(1147)

小儿放射学

多排螺旋 CT 在小儿先天性梨状窝瘘的应用 姚亮凤,蓝文富,田 橄,等(1152)

儿童嗜酸性膀胱炎的临床病理及 CT 分析 魏伟安,陈卫坚,易 婷,等(1155)

介入放射学

三维激光结合 C 臂 CT 在脑出血穿刺术中的应用 邢海龙,李泽福,王清波,等(1159)

抽吸优先取栓在急性大血管闭塞性缺血性脑卒中的应用 樊旭辉,费 力,黄志辉,等(1162)

恶性梗阻性黄疸经皮肝穿刺胆道外引流与内外引流对照研究 谭中宝,毛学群,张 建,等(1166)

影像技术学

零回波时间 MR 血管成像在颅内支架植入术后随访中的临床应用 赵芝敏,赵 卫,李庆福,等(1170)

快速灰质采集 T₁ 反转恢复序列在视放射重建中的应用价值 吴艳凯,李晓童,崔彩霞,等(1174)

多重灵敏度编码扩散加权成像在提高鼻咽癌图像质量的应用研究 黄梓杰,胡玉芳,覃宝仪,等(1179)

同时多层采集技术在直肠分段读出平面回波成像中的可行性分析 周 蜜,陈梅泞,黄红云(1183)

综 述

MRI 定位肛瘘内口的理想序列组合 黄 进,梅祖兵,汪庆明(1188)

定量 MRI 在新生儿缺氧缺血性脑病中的研究进展 任庆发,殷志杰,王 静,等(1191)

MRI 在类风湿关节炎治疗中评价的新进展 袁文昭,龙莉玲(1194)

中枢神经类淋巴系统和脑膜淋巴管的 MRI 检查方法 张 蓓,赵 旸,吴立山,等(1197)

继续教育

以学员需求为导向入科教育在放射专业基地的应用 侯 欣,白慧萍,樊华峰,等(1201)

病例报道

颅内原发性 Rosai-Dorfman 病 2 例 赵琪瑞,包 含,李宗芳(1204)

成人特发性肺含铁血黄素沉着症 1 例 窦 彤,黄明刚,张 艳,等(1205)

腹膜后颗粒细胞瘤 1 例并文献复习 普淑越,尹桂秀(1206)

胃钙化性纤维性肿瘤 1 例 段世菲,王林帅,赵 霞,等(1207)

RH 导管复位静脉输液港导管异位 2 例..... 陶 钧,李子林,张朝亚,等(1208)

外生型胃癌 1 例 王媛媛,高峻伟,蔡凤琴,等(1209)

成人腹膜后囊性畸胎瘤恶性变 1 例 汪博泉,杨 倩,张水霞,等(1210)

肾脏散发性血管母细胞瘤 1 例 简远熙,杨素萍(1211)

下期要目预告 (1178)

责任编辑

郑敏文

责任编辑

杨军乐

校对

李倪轩

排版

丁 焱

英文审校

于德新

陈宝莹

任 静

陈 欣

刘 莹

殷 茜

金 梅

秦 越

万方数据

JOURNAL OF PRACTICAL RADIOLOGY

Monthly Established in March 1985 Volume 39, Number 7 July 20, 2023

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) 85416563
(029) 85416162

E-mail syfsxzz@sina.com

Website www.syfsxzz.com.cn

Printing

Xi'an Shengjing Printing Co., Ltd.

General Distributor

Domestic: China Post Group
Corporation Limited 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 © 2023 by the Periodical
Office of Journal of Practical Radiology

MAIN CONTENTS

Neuroradiology

- Diffusion tensor imaging study on white matter microstructural changes in patients with primary insomnia HAN Wenxuan, HE Xiuyong, DUAN Wangdong, et al (1051)
- Effects of methadone on nucleus accumbens functional connectivity in heroin addicts with different TaqI A1 genotypes LI Yongbin, WANG Ning, YANG Jiao, et al (1055)
- Prediction of pathological type in pituitary adenomas using MRI-based radiomics JIAO Bingxuan, QIN Songnan, KANG Bing, et al (1059)
- Comparison of the clinical and MRI features between pituitary adenoma apoplexy and Rathke cleft cyst manifesting as short T₁ signal ZHANG Anlin, CHEN Ying (1063)

Head and Neck Radiology

- Functional connectivity changes in patients with nasopharyngeal carcinoma long term following radiotherapy: a resting-state functional MRI study SONG Xiaohan, WANG Lijun, Lü Xiupeng (1067)
- Clinical application of Murray's Law in assessing the risk of carotid atherosclerosis LI Xinxiu, XIA Yingying, ZHANG He, et al (1071)

Thoracic Radiology

- The value of parameters of PET/MRI diffusion imaging and metabolic imaging in evaluating Ki-67 index in lung adenocarcinoma JIANG Han, LI Ziqiang, FU Fangfang, et al (1075)
- Imaging evaluation of ≤ 2 cm solitary pulmonary nodules and its correlation with postoperative pathology YU Linxiang, ZHANG Bin, ZOU Haosheng, et al (1080)
- The application value of artificial intelligence in image detection and benign and malignant diagnosis of pulmonary nodules ZHAO Ming, LIU Haifeng (1085)
- The predictive value in infiltration degree of ≤ 10 mm pulmonary ground-glass nodules based on artificial intelligence CT quantitative analysis DENG Qi, XU Zhifeng, ZHOU Tao, et al (1088)

Cardiovascular Radiology

- Influence of different measurement sites on the evaluation of pericoronary adipose tissue CT attenuation BAI Yani, E Bei, WANG Xiaofeng, et al (1093)

Breast Radiology

- Application value of breast MRI-abbreviated protocol for supplementary screening in dense glands ZHANG Dongxue, ZHANG Xiaoying, ZHANG Shuilan, et al (1097)

Abdominal Radiology

- CT features and clinicopathological characteristics of microsatellite instability-high gastric cancer ZHAN Pengchao, QIU Qingya, LIU Keyan, et al (1101)
- Prediction of recurrence of acute pancreatitis in type 2 diabetes mellitus state based on MR T₂WI radiomics DU Qinglin, HUANG Xiaohua, LIU Nian, et al (1106)
- Application value of MR T₁-mfrage in the classification and diagnosis of anal fistula JI Dan, ZHANG Zhiguo (1111)
- Value of preoperative enhanced MRI for predicting early recurrence of hepatocellular carcinoma after radical surgery ZUO Liping, FAN Jinlei, SHI Shuo, et al (1114)
- Spectral CT imaging in differential of cirrhotic nodule from small hepatocellular carcinoma with diameter ≤ 3 cm Lü Shasha, ZHENG Jing, NIU Zhongfeng (1119)
- Imaging findings and literature review of gastroduodenal Crohn's disease LIU Lingling, YANG Fang, ZHOU Cong, et al (1123)

Genitourinary Radiology

- A prediction model for prostate needle biopsy based on PI-RADS v2.1 and PSAD and its efficacy assessment CUI Ping, ZHANG Ji, WANG Song, *et al* (1127)
- Analysis of MRI features of struma ovarii LU Siwei, CHU Caiting, LI Wenhua (1132)
- Study on the method of MRI locating the internal os of uterine cervix LIU Mingming, LIANG Yuting (1135)

Musculoskeletal Radiology

- Diagnostic value of MR arthrography in location and classification of hip pelvis and labrum injury in 10 to 18 years LI Yaohui, CAO Yi, WAN Yeda (1138)
- MRI findings of the proximal rectus femoris origin injury LI Dongming, YI Xuebing, ZHANG Dezhou (1143)
- Comparison of MRI features of soft tissue lipomas and atypical lipomatous tumor in extremities based on MDM2 gene amplification status LIU Hongli, XU Lei, SHI Yin, *et al* (1147)

Pediatric Radiology

- Application of multi spiral CT in pediatric congenital pyriform sinus fistula YAO Liangfeng, LAN Wenfu, TIAN Gan, *et al* (1152)
- Clinical pathology and CT analysis of eosinophilic cystitis in children WEI Wei'an, CHEN Weijian, YI Ting, *et al* (1155)

Interventional Radiology

- Application of 3D laser combined with C-arm CT in intracerebral hemorrhage puncture XING Hailong, LI Zefu, WANG Qingbo, *et al* (1159)
- Application of aspiration-first thrombectomy in treating acute ischemic stroke with large vessel occlusion FAN Xuhui, FEI Li, HUANG Zhihui, *et al* (1162)
- External and internal-external percutaneous transhepatic biliary drainage for patients with malignant obstructive jaundice; a control study TAN Zhongbao, MAO Xuequn, ZHANG Jian, *et al* (1166)

Imaging Technology

- Clinical application of zero echo time MR angiography in follow-up after intracranial stent implantation ZHAO Zhimin, ZHAO Wei, LI Qingfu, *et al* (1170)
- Application of fast gray matter acquisition T₁ inversion recovery in reconstruction of optic radiation WU Yankai, LI Xiaotong, CUI Caixia, *et al* (1174)
- Application of multiple sensitivity encoding diffusion weighted imaging in improving the image quality of nasopharyngeal carcinoma HUANG Zijie, HU Yufang, QIN Baoyi, *et al* (1179)
- Feasibility analysis of simultaneous multi-slice acceleration technique in rectal readout-segmented echo-planar imaging ZHOU Mi, CHEN Meining, HUANG Hongyun, *et al* (1183)

Reviews

- The ideal sequence combination of MRI to locate the internal orifices of anal fistula HUANG Jin, MEI Zubing, WANG Qingming (1188)
- Research progress of quantitative MRI in neonatal hypoxic-ischemic encephalopathy REN Qingfa, YIN Zhijie, WANG Jing, *et al* (1191)
- New progress of MRI evaluation in the treatment of rheumatoid arthritis YUAN Wenzhao, LONG Liling (1194)
- MRI methods of glymphatic system and meningeal lymphatic vessels of central nervous system ZHANG Bei, ZHAO Yang, WU Lishan, *et al* (1197)

Continuing Education

- Application of demand-oriented entrance education in radiology professional base HOU Xin, BAI Huiping, FAN Huaifeng, *et al* (1201)

Case Reports

- Two cases; primary intracranial Rosai-Dorfman disease ZHAO Qirui, BAO Han, LI Zongfang (1204)
- One case; idiopathic pulmonary hemosiderosis in adult DOU Tong, HUANG Minggang, ZHANG Yan, *et al* (1205)
- Extraperitoneal granulosa cell tumor; one case and literature review PU Shuyue, YIN Guixiu (1206)
- One case; gastric calcifying fibrous tumor DUAN Shifei, WANG Linshuai, ZHAO Xia, *et al* (1207)
- Two cases; restoration of ectopic venous access port catheter by RH catheter TAO Jun, LI Zilin, ZHANG Chaoya, *et al* (1208)
- One case; exogenous cancer of the stomach WANG Yuanyuan, GAO Junwei, CAI Fengqin, *et al* (1209)
- One case; malignant transformation of retroperitoneal cystic teratoma in adult WANG Boquan, YANG Qian, ZHANG Shuixia, *et al* (1210)
- One case; renal sporadic hemangioblastoma JIAN Yuanxi, YANG Suping (1211)