

SHIYONG FANGSHEXUE ZAZHI

月刊 1985 年 3 月创刊 第 33 卷 第 3 期 (总第 333 期) 2017 年 3 月 20 日出版

主 管
陕西省卫生和计划生育委员会

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 宦 怡 郭佑民

社 长 杨军乐

出 版 实用放射学杂志社
710068 西安市环城南路
西段 20 号海联大厦
605 室

电 话: 社长室 (029)88404722
办公室、广告部
(029)82122003(传真)
编辑部、发行部
(029)82122004

E-mail: syfsxzz@sina.com

网 址: www.syfsxzz.com.cn

广告经营许可证号 6101004003016

印 刷
西安长峰智能科技产业有限公司
公司印务分公司

发 行
国内: 中国邮政集团公司陕西省
报刊发行局
国外: 中国国际图书贸易总公司
(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 12 元/册, 144 元/年

中国标准连续出版物号

ISSN 1002-1671
CN 61-1107 / R

**2017 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

MR 新技术临床应用专题

- 积极推进淋巴循环障碍性疾病的 MR 研究 岳云龙, 王振常(325)
- MR 体积指数测量对继发性下肢淋巴水肿分期的价值研究
..... 李 滨, 岳云龙, 金延方, 等(327)
- MR 在女性生殖系统乳糜漏中的应用 霍 萌, 岳云龙, 金延方, 等(331)
- MR 胸导管成像诊断右位胸导管的值 岳云龙, 左利利, 宋明慧, 等(335)
- MR 淋巴造影在肢体淋巴水肿诊断中的值 赵子周, 李苏芹, 王 丽, 等(338)
- 妇科恶性肿瘤术后下肢淋巴水肿 MRI 分期研究 王 丽, 李苏芹, 华小兰, 等(343)

中枢神经放射学

- 基于 3.0T MR 及 MIMICS 对阿尔茨海默病患者侧脑室的
研究 王丹青, 李月峰, 姚 舜, 等(349)
- DTI 对 HIV 感染者脑白质细微结构病变的诊断研究 邓文娟, 胡雪莹, 吴念宁, 等(353)
- 肝性脊髓病患者自发脑活动局部一致性的变化 吴雨静, 刘 康, 任书瑶, 等(357)
- 3D-ASL 在短暂性脑缺血发作中的诊断值 纪 宇, 邵广瑞, 马 帅, 等(361)
- 非时变 CTA 在急性脑梗死患者脑侧支循环的应用研究
..... 温学花, 丁忠祥, 李玉梅, 等(365)
- 颅内原发淋巴瘤的 MRI 诊断与病理分析 徐红卫(369)

头颈部放射学

- MR 测定颈动脉易损斑块特征与急性缺血性脑卒中的
关系 李 晓, 赵辉林, 孙贝贝, 等(373)

胸部放射学

- 肋骨抑制成像在胸部平片肺结节检出中的应用 王云龙, 管 宇, 夏 艺, 等(378)
- 肺隐球菌病 CT 征象分析 吕 军, 张 洪, 马延贺(382)
- 原发性气管、支气管黏液表皮样癌的 CT 表现 鹿华军, 杨春燕, 尤小芳(385)
- 胸腺神经内分泌肿瘤的 MSCT 表现与其病理分级的
相关性 王泽国, 张 亮, 赵晓丹, 等(389)
- 双源 CT 与经胸超声心动图诊断卵圆孔未闭的对比分析
..... 刘海峰, 张东友, 阳 义, 等(393)

乳腺放射学

- IVIM 成像与 DWI 在乳腺良恶性病变鉴别诊断中的比较
..... 侯玉薇, 邵真真, 侯明丽, 等(396)
- 乳腺癌术后短期内 MRI 检查对残余肿瘤检测的价 张毅力, 杜红文(401)

腹部放射学

- MSCT 在直肠癌手术术式评估中的应用 陆 通, 杨 虹, 张 琴, 等(405)
- MR DWI 对急性胰腺炎的诊断值 陈伯柱, 何 健, 沈珊珊, 等(408)
- 胃肠道神经内分泌肿瘤的 CT 表现及病理基础 刘灶松, 魏新华, 许 进, 等(412)

泌尿生殖放射学

Xp11.2 易位/TFE3 基因融合相关性肾细胞癌的 CT 表现	邵 兵,张永高,高剑波(415)
女性盆腔非生殖系统肿瘤的 MRI 诊断	相世峰,杨素君(418)
卵巢甲状腺肿的 MRI 表现及其误诊分析	谢艺才,黎 骋,郭子霞,等(422)

骨骼肌肉放射学

MR T ₂ * mapping 定量分析腰椎小关节退变关系研究	丁 毅,张 宁,余小鸣,等(425)
MRI 对颈椎布鲁杆菌病性脊椎炎的治疗价值评价	孟宪勇,杨新明,胡长波,等(429)
3.0T MR DTI 及 DTT 对正常青年人腕管内正中神经的定量分析	李 欢,王龙胜,郑穗生,等(434)
MRI 对复发性髌骨不稳的解剖学危险因素的测量与评估	高 畅,徐 磊,冯 阳,等(438)

血管放射学

合并冠状动脉粥样硬化的心肌桥 CTA 表现特点	袁明远,张慧群,李荣先,等(443)
-------------------------------	--------------------

小儿放射学

纹理分析在鉴别儿童髓母细胞瘤和室管膜瘤中的价值	李 娅,张 勇,李蒙蒙,等(447)
-------------------------------	--------------------

影像技术学

能谱 CT 术前定量评估直肠腺癌分化程度的应用价值	王传彬,韦树华,张 萍,等(451)
双源 CT 双能量技术鉴别甲状腺良恶性结节的临床应用研究	张 颖,陈 晶,陈泽谷(455)
MSCT 非增强扫描三维重建技术在诊断动静脉畸形中的应用	李辉安,华正权,龚 娜(460)

综 述

颈动脉易损斑块的 MRI 相关研究进展	吕 蕾,鲍海华(463)
乳腺钙化的 X 线征象与病理生物学基础	王桂枝,王万淑,谭光萍,等(467)
DTI 在诊断腰椎间盘突出退变及神经根受压中的应用	贺露姣,祝巧云,贺发良,等(471)

短篇论著

DR 在地方性氟中毒病区氟骨症筛查的应用价值	段庆红,陈绪光,焦 俊,等(474)
钡灌肠在新生儿坏死性小肠结肠炎后遗肠狭窄中的诊断价值	梁琼鹤,张新荣,杨 明,等(476)
DWI 在骨质疏松症诊断中的应用价值	何 丽,刘 斋,祁宇轩,等(478)
肝脏未分化胚胎性肉瘤 MSCT 表现	赵 越,王洁茹,谭宏文,等(480)
纵隔支气管源性囊肿 CT 征象	李 斌,陈 东,青丽萍(482)

病例报道

胰腺嗜酸细胞型导管内乳头状黏液瘤误诊分析 2 例	方 旭,边 云,王 莉(485)
肝硬化性血管瘤 2 例	袁尉峰,赵新湘(486)
原发性肾脏小细胞癌 2 例并文献复习	耿 莉,黄 周,纵瑞龙,等(487)
右肺孤立性纤维瘤 1 例	唐 慧,任成龙,贺太平(489)
附睾精子肉芽肿 1 例	黄梦月,高雪梅,程敬亮,等(490)
冠心病心肌梗死合并室壁瘤室间隔穿孔 1 例	贾学燕,王照谦,杨志强,等(491)
胃底异位胰腺 1 例	汤子建,张体江,柏永华,等(492)

消息	(388)
----------	-------

书讯	(392);(484)
----------	-------------

下期要目预告	(466)
--------------	-------

Responsible Institution

Shaanxi Health and Family
Planning Commission

Sponsor

Periodical Office of Journal
of Practical Radiology

Editing Editorial Department of
Journal of Practical
Radiology

Editor-in-Chief HUAN Yi
GUO Youmin

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) 82122004

(029) 82122003(Fax)

E-mail syfsxzz@sina.com

Website www.syfsxzz.com.cn

Printing Printing Branch of Xi'an
Changfeng Intelligent Science and
Technology Industry Company

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, 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 © 2017 by the Periodical
Office of Journal of Practical Radiology

MAIN CONTENTS**Clinical Application of MR New Technology**

Promote the MR study of lymphatic circulatory disorders ... YUE Yunlong, WANG Zhenchang (325)

The value of MR volume index in staging the secondary lower limb lymphedema

..... LI Bin, YUE Yunlong, JIN Yanfang, et al (327)

Magnetic resonance in chylous leakage of female reproductive system

..... HUO Meng, YUE Yunlong, JIN Yanfang, et al (331)

The diagnostic value of magnetic resonance thoracic ductography in right thoracic duct

..... YUE Yunlong, ZUO Lili, SONG Minghui, et al (335)

The assessment of lymphatic system in lymphedema with magnetic resonance lymphangiography

..... ZHAO Zizhou, LI Suqin, WANG Li, et al (338)

Cross-sectional areas of calf soft tissue measured with MRI as a new method for staging gynecologic
oncology-related extremity lymphedema WANG Li, LI Suqin, HUA Xiaolan, et al (343)

Neuroradiology

Study of the lateral ventricular in patients with Alzheimer's disease at 3.0T MR and MIMICS reconstruction

..... WANG Danqing, LI Yuefeng, YAO Shun, et al (349)

Diffusion tensor imaging study in the diagnose of white matter micro-structural alterations in HIV patients

..... DENG Wenjuan, HU Xueying, WU Nianning, et al (353)

Altered regional homogeneity of spontaneous brain activity in hepatic myelopathy

..... WU Yujing, LIU Kang, REN Shuyao, et al (357)

The advantage of 3D arterial spin labeling in the diagnosis of transient ischemic attack

..... JI Yu, SHAO Guangrui, MA Shuai, et al (361)

Time-invariant CTA assessment of collateral circulation of patients with acute ischemic stroke

..... WEN Xuehua, DING Zhongxiang, LI Yumei, et al (365)

MRI performances and pathological findings of primary intracranial lymphoma

..... XU Hongwei (369)

Head and Neck Radiology

Association of carotid vulnerable atherosclerotic plaque features by MR with acute ischemic stroke

..... LI Xiao, ZHAO Huilin, SUN Beibei, et al (373)

Thoracic Radiology

Bone suppression images improve radiologists' performance on detection of lung nodules on chest radiographs

..... WANG Yunlong, GUAN Yu, XIA Yi, et al (378)

CT analysis of pulmonary cryptococcosis Lü Jun, ZHANG Hong, MA Yanhe (382)

CT manifestations of mucoepidermoid carcinoma of trachea and bronchus

..... PANG Huajun, YANG Chunyan, YOU Xiaofang (385)

Correlation between MSCT findings and pathological classification of thymic neuroendocrine tumors

..... WANG Zeguo, ZHANG Liang, ZHAO Xiaodan, et al (389)

Compared analysis of dual source CT and transthoracic echocardiography in the diagnosis of patent foramen
ovale LIU Haifeng, ZHANG Dongyou, YANG Yi, et al (393)

Breast Radiology

Comparison between the value of the IVIM imaging and DWI in differential diagnosis of benign and

malignant breast lesions HOU Yuwei, SHAO Zhenzhen, HOU Mingli, et al (396)

Role of short-term follow-up MRI in the detection of postoperative breast residual cancer

..... ZHANG Yili, DU Hongwen (401)

Abdominal Radiology	
Application of MSCT in the evaluation of surgical operation for rectal cancer	LU Tong , YANG Hong , ZHANG Qin ,et al (405)
Diagnostic value of magnetic resonance diffusion weighted imaging in acute pancreatitis	CHEN Bozhu , HE Jian , SHEN Shanshan ,et al (408)
The CT findings and its pathological basis of gastrointestinal neuroendocrine tumors	LIU Zaosong , WEI Xinhua , XU Jin ,et al (412)
Genitourinary Radiology	
CT features of renal carcinoma associated with xp11.2 translocations/TFE3 genes fusions	SHAO Bing , ZHANG Yonggao , GAO Jianbo (415)
MRI findings of female non-genital origin masses in pelvis	XIANG Shifeng , YANG Sujun (418)
MRI features of struma ovarii and analysis of misdiagnosis	XIE Yicai , LI Cheng , GUO Zixia ,et al (422)
Musculoskeletal Radiology	
A quantitative analysis of the degeneration of lumbar facet joints by MR T ₂ * mapping ...	DING Yi , ZHANG Ning , YU Xiaoming ,et al (425)
Evaluation on therapeutic value of MRI for cervical Brucella spondylitis	MENG Xianyong , YANG Xinming , HU Changbo ,et al (429)
Quantitative analysis of the median nerve in the carpal tunnel of healthy volunteers by using DTI and DTT at 3.0T MR	LI Huan , WANG Longsheng , ZHENG Suisheng ,et al (434)
Measurement and evaluation of anatomic risk factors for recurrent patellar instability by MRI	GAO Chang , XU Lei , FENG Yang ,et al (438)
Vascular Radiology	
CTA imaging features of myocardial bridge in the patients combined with atherosclerosis	YUAN Mingyuan , ZHANG Huiqun , LI Rongxian ,et al (443)
Pediatric Radiology	
The utility of texture analysis in differential diagnosis of medulloblastomas and ependymomas	LI Ya , ZHANG Yong , LI Mengmeng ,et al (447)
Imaging Technology	
Spectral CT in preoperatively quantitative evaluation on histodifferentiation of rectal adenocarcinoma	WAGN Chuanbin , WEI Shuhua , ZHANG Ping ,et al (451)
Clinical application of dual energy scanning technology with dual-source CT in differentiating benign from malignant thyroid nodules	ZHANG Ying , CHEN Jing , CHEN Zegu (455)
The application of MSCT 3D reconstruction technology without contrast on pulmonary arteriovenous malformation	LI Hui'an , HUA Zhengquan , GONG Na (460)
Reviews	
The related research progress of MRI in vulnerable carotid plaque	Lü Lei , BAO Haihua (463)
Mammography findings of breast calcifications and biological basis of pathology	WANG Guizhi , WANG Wanshu , TAN Guangping ,et al (467)
Application of DTI in the diagnosis of lumbar disc degeneration and nerve root compression	HE Lujiao , ZHU Qiaoyun , HE Faliang ,et al (471)
Brief Reports	
The application of digital radiography in endemic skeletal fluorosis survey	DUAN Qinghong , CHEN Xuguang , JIAO Jun ,et al (474)
The value of barium enema in the post-necrotizing enterocolitis strictures	LIANG Qionghe , ZHANG Xinrong , YANG Ming ,et al (476)
Application value of diffusion weighted imaging in the diagnosis of osteoporosis	HE Li , LIU Zhai , QI Yuxuan ,et al (478)
MSCT manifestations of undifferentiated embryonal sarcoma	ZHAO Yue , WANG Jieru , TAN Hongwen ,et al (480)
The CT features of bronchogenic cysts in mediastinum	LI Bin , CHEN Dong , QING Liping (482)
Case Reports	
Two cases; misdiagnosis analysis of intraductal oncocytic papillary neoplasm	FANG Xu , BIAN Yun , WANG Li (485)
Two cases; hepatic sclerosing hemangioma	YUAN Weifeng , ZHAO Xinxiang (486)
Primary small cell carcinoma of kidney; two cases and literature review	GENG Li , HUANG Zhou , ZONG Ruilong ,et al (487)
One case; solitary fibroma of the right lung	TANG Hui , REN Chenglong , HE Taiping (489)
One case; spermatic granuloma in epididymis	HUANG Mengyue , GAO Xuemei , CHENG Jingliang ,et al (490)
One case; ventricular septum rupture after myocardial infarction	JIA Xueyan , WANG Zhaoqian , YANG Zhiqiang ,et al (491)
One case; gastric ectopic pancreas	TANG Zijian , ZHANG Tijiang , BO Yonghua ,et al (492)