

# 医学影像学杂志

JOURNAL OF MEDICAL IMAGING

月刊 1990年10月创刊 第20卷 第6期 2010年6月20日出版

中华人民共和国科学技术部批准

主管单位

山东省卫生厅

主 办

山东省医学影像学研究会

山东省医学影像学研究所

编辑出版

《医学影像学杂志》编辑部

250021 济南市经四纬九路37号

电话:0531-87920996 87031478

传真:0531-87920996

电子信箱:xyxz@chinajournal.net.cn

xyxz@126.com

网址: <http://xyxz.chinajournal.net.cn>

投稿系统: <http://www.medimg.org>

主 编

武乐斌 赵 斌

副主编

张 运 李传福

柳 澄 孙 钢

编辑部主任

时季成

学会办公室主任

崔国明

广告经营许可证:

鲁工商广字第370004000098号

印 刷

济南石茂印务有限公司

发 行

济南市报刊发行局

订 购

全国各地邮政局

邮发代号:24-134

邮 购

《医学影像学杂志》编辑部

250021 济南市经四纬九路37号

国内定价

每期10元 全年120元

中国标准刊号

ISSN 1006-9011

CN 37-1426/R

## 目 次

### 论 著

- STEAM和PRESS序列对磁共振频谱绝对定量的影响 ..... 郭绣琴,肖叶玉,沈智威,等(765)
- 64层螺旋CT低能量同步减影脑血管成像研究 ..... 刁显明,曹跃勇,陈洪亮,等(769)
- 脑CTA与CT灌注成像在TIA病因诊断中的价值 ..... 钟井松,沈海林,丁乙,等(774)
- CTA减影技术在脑动静脉畸形诊断中的应用价值 ..... 尤云峰,吕富荣,吕发金,等(779)
- 鞍区Rathke裂囊肿的影像诊断 ..... 韩雪,赵殿江(782)
- 亚急性坏死性脑脊髓病的磁共振成像 ..... 黄育鑫,黄瑞雪,彭晓容(785)
- 支原体脑炎的磁共振诊断价值 ..... 袁振国,王洪霞,李吉昌,等(788)
- 脑内原发性淋巴瘤MRI表现 ..... 许为人,余日胜(791)
- CT不同重建函数核对婴幼儿骨迷路三维显示和数据测量的影响 ..... 李建明,徐文彪,刘鸿圣,等(794)
- MR测量眼球视轴长度的研究 ..... 霍丙胜,赵希智,姬国敏(798)
- 良性泪腺混合瘤CT、MR诊断价值 ..... 胡卫东,项立,范义,等(801)
- CT肺动脉成像评价慢性血栓栓塞性肺动脉高压栓塞指数及右心功能 ..... 刘敏,马展鸿,郭晓娟,等(804)
- 非小细胞肺癌MSCT征象与CD44v6表达间相关性研究 ..... 石士奎,陈余清,刘学刚,等(809)
- 肺撕裂伤的CT诊断 ..... 赵志友,陈士新,陈利军,等(813)
- ANCA阳性小血管炎的胸部高分辨率CT表现 ..... 林志谦,许建荣,程杰军,等(816)
- SPECT/CT符合线路显像对肺腺癌摄取<sup>18</sup>F-FDG影响因素的研究 ..... 陆武,杨成喜,刘永,等(820)
- 64层螺旋CT冠状动脉成像中优化对比剂注射技术对图像质量的影响 ..... 王妍焱,吴国庚,谭晔,等(823)
- 速度向量成像与组织多普勒技术评价高血压患者左室舒张功能的一致性研究 ..... 朱秀玲,马琳,张银,等(827)
- 彩超定量组织速度成像对肥厚型心肌病舒张运动的评价 ..... 赵敏,许亮,王蓓,等(830)
- 实时三维超声心动图评价扩张型心肌病左室不同步性的研究 ..... 孙俞峰(834)
- 护理干预在双源CT冠状动脉成像的价值 ..... 黄岸容,罗瑜娟,宋其琴,等(837)

[期刊基本参数]CN37-1426/R\*1990\*m\*A4\*765\*zh\*P\*10.00\*4000\*58\*2010-06

本刊如有印装质量问题,请将原杂志寄回编辑部,由本刊负责调换。

肝炎后肝硬化的 CT 灌注功能变化研究 .....	钟 群,方心华,陈自谦,等(840)
CT 门静脉成像对食管胃静脉曲张侧支循环的研究 .....	王家臣,巩若薇,田 军,等(845)
周围型肝内胆管细胞癌的 CT 表现 .....	许华权,庄 杰,章建军,等(848)
胰腺实性假乳头状瘤的 CT 诊断与鉴别诊断 .....	金琼英(851)
48 例脾脏恶性淋巴瘤的超声回顾性分析 .....	黄安茜,许 亮,包凌云,等(854)
64 层螺旋 CT 正常上尿路造影:俯卧位、呋塞米对显影的价值 .....	孔维芳,刘荣波,王 娜,等(856)
口服肠溶气钡胶囊法在小肠双对比造影中的研究 .....	纪年尚,张国梁,蓝孝全,等(859)
超声引导下不同水压灌肠治疗小儿肠套叠的探讨 .....	黄世林,唐利永,章功年,等(863)
回盲部肿瘤的 CT 表现与病理对照分析 .....	章万强(866)
经阴道超声和宫腔镜检查对异常子宫出血病因的诊断价值 .....	谭迎春,王 莉,张广英(870)
软组织肿块的 MRI 诊断价值探讨 .....	谭琦琮,李 刚,漆 强,等(873)
高频彩色多普勒超声检查浅表软组织肿块的应用价值 .....	李奉勇,宋文超,张增芳(877)
MRI 在跟腱撕裂的诊断价值 .....	张学滨,马国林,顾 菲,等(880)
射频消融术治疗快速心律失常的护理 .....	闫 静,刘 萍,张丽婵,等(883)
<b>影像技术</b>	
三维旋转血管造影技术在颅内动脉瘤诊疗中的应用 .....	曲桂莲,刘卫东,郭建军,等(886)
<b>实验研究</b>	
3.0T 临床型 MR 多发性硬化大鼠脊髓成像的初步研究 .....	张海琴,李坤成,于春水,等(889)
裸鼠胃癌移植瘤的近红外荧光成像 .....	张修石,任 翠,国 飞,等(892)
<b>研究生园地</b>	
放射性脑损伤的 MRI 分析 .....	张洪涛,李功杰,周 娟,等(896)
MSCT 长轴位 MPR 在大前庭水管综合征诊断中的应用 .....	梁 琪,胡跃群,刘 璐(899)
速度向量成像技术评价终末期肾病患者颈总动脉管壁弹性 .....	蒿业红,焦 岩,蒋天安(902)
<b>综 述</b>	
多发性骨髓瘤的影像学诊断 .....	姚树展,侯中煜,周存升(905)
介入手术室医院感染的预防与控制 .....	张凤霞,胡兴华(908)
<b>论著摘要</b>	
高频超声诊断胆囊腺肌增生症的价值 .....	莫晓萍,郑昌富,阮伟武(784)
右侧结肠憩室炎的超声误诊分析 .....	徐 飞,章 萍,徐牡丹,等(797)
乳腺错构瘤的声像图及病理特征分析 .....	马富成,冷晚玲,武秀兰(869)
良性周围神经鞘肿瘤的高频彩超表现 .....	赵新美,朱震霞,刘 波,等(911)
50 例甲型 H1N1 流感合并肺炎的影像表现分析 .....	徐中华,冯 捷,陆利红,等(913)
超声声学造影对肝脾外伤的诊断价值 .....	谢晓红,马苏亚,徐 萍,等(914)
彩超引导下经皮肝穿治疗恶性梗阻性黄疸的应用价值 .....	来连法,陈 斌(916)
髌骨软骨软化症的 MR 检查及表现 .....	毛小明,蒋廷宽,杨建荣,等(917)
<b>短篇报告</b>	
超声诊断胎儿腹腔寄生胎 1 例 .....	刘天鑫,于淑莉(773)
视网膜及脉络膜双脱离 1 例 .....	林宗跃(815)
上消化道穿孔致肝包膜下积液积气 1 例 .....	李俊华,任明思(822)
胰腺微囊性腺瘤 1 例 .....	赵维敬(836)
MSCT 诊断肋骨骨软骨瘤 1 例 .....	余景武(862)
经阴道超声诊断卵巢妊娠 1 例 .....	美丽娟(885)
左输尿管囊肿伴输尿管起始端囊状扩张 1 例 .....	牛乐君,孙 娜,于 晶,等(920)
<b>消 息</b> .....	(882,901)

责任编辑: 郭道芳

英文编辑: 李建峰

责任排版: 季维秋

# JOURNAL OF MEDICAL IMAGING

Monthly Start publication in Oct 1990 Volume 20 Number 6 June 20, 2010

## Approval

Ministry of Scientific Technology,  
China

## Responsible Institution

Shandong Provincial Health Bureau

## Sponsor

Shandong Provincial Medical Imaging  
Research Society  
Shandong Provincial Medical Imaging  
Research Institute

## Editing and Publishing

Editorial Board of Journal of Medical  
Imaging  
250021 Jingsi-Weijiu Road No 37.  
Jinan  
Tel: 0531 - 87920996  
0531 - 87031478  
Fax: 0531 - 87920996  
E-mail: xyxz@chinajournal.net.cn  
xyxxzz@126.com  
http://xyxz.chinajournal.net.cn

## Editor-in-Chief

WU Le-bin ZHAO Bin

## Associate Editor

ZHANG Yun LI Chuan-fu  
LIU Cheng SUN Gang

## Managing Director

SHI Ji-cheng

## Chief of Office, Research Society

CUI Guo-ming

## Printing

Shimao Printing Business Co. Ltd, Ji-  
nan

## Distributor

Jinan Newspaper and Magazine  
Distribute Office

## Order

Post Office in Everywhere, China  
CN24 - 134

## Mail-Order

Editorial Board of Journal of Medical  
Imaging  
250021 Jingsi-Weijiu Road No 37.  
Jinan

## CNNS

ISSN 1006 - 9011  
CN 37 - 1426/R

## CONTENTS

### Articles

- The influence of STEAM and PRESS sequence on the absolute quantitation of <sup>1</sup>H-MR spectroscopy ..... GUO Xiu-qin, XIAO Ye-yu, SHEN Zhi-wei, et al (765)
- The study of cerebral vessels with 64-slice helical CT synchronous low-energy digital subtraction angiography ..... DIAO Xian-ming, CAO Yue-yong, CHEN Hong-liang, et al (769)
- The value of CT angiography and CT perfusion imaging in brain in etiological diagnosis of TIA ..... ZHONG Jing-song, SHEN Hai-lin, DING Yi, et al (774)
- Diagnostic value of subtraction technique of CT angiography in cerebral arteriovenous malformation ..... YOU Yun-feng, LV Fu-rong, LV Fa-jin, et al (779)
- Imaging diagnosis of Rathke's cleft cyst ..... HAN Xue, ZHAO Dian-jiang (782)
- Magnetic resonance imaging of sub-acute necrotizing encephalomyelopathy ..... HUANG Yu-xin, HUANG Rui-xue, PENG Xiao-rong (785)
- The value of MRI in the diagnosis of pediatric mycoplasma pneumoniae encephalitis ..... YUAN Zhen-guo, WANG Hong-xia, LI Ji-chang, et al (788)
- Primary lymphomas in the brain: MR findings ... XU Wei-ren, YU Ri-sheng (791)
- An influence of the 3D displays and measurements of infant's osseous labyrinth by various kernels on CT ..... LI Jian-ming, XU Wen-biao, LIU Hong-sheng, et al (794)
- Study of ocular axial length measurement with MRI ..... HUO Bing-Sheng, ZHAO Xi-zhi, JI Guo-min (798)
- The value of CT and MRI in diagnosing benign mixed tumors of the lacrimal gland ..... HU Wei-dong, XIANG Li, FAN Yi, et al (801)
- Right ventricular function and pulmonary obstruction index evaluation by computer tomographic pulmonary angiography in patients with chronic thromboembolic pulmonary hypertension ..... LIU Min, MA Zhan-hong, GUO Xiao-juan, et al (804)
- Correlative study of MSCT appearance and CD44v6 expression in non-small cell lung cancer ..... SHI Shi-kui, CHEN Yu-qing, LIU Xue-gang, et al (809)
- CT diagnosis of lung lacerating injury ..... ZHAO Zhi-you, CHEN Shi-xin, CHEN Li-jun, et al (813)
- Pulmonary high-resolution CT findings in ANCA-associated small vessel vasculitis ..... LIN Zhu-qian, XU Jian-rong, CHENG Jie-jun, et al (816)
- The study of the influence on <sup>18</sup>F-fluorodeoxyglucose (<sup>18</sup>F-FDG) uptaking of adenocarcinoma of lung by SPECT/CT CoDe imaging ..... LU Wu, YANG Cheng-xi, LIU Yong, et al (820)
- The evaluation of image quality using optimized low-dose contrast injection protocols on 64-slice spiral CT in coronary artery angiography ..... WANG Yan-yan, WU Guo-geng, TAN Ye, JIAO Sheng, et al (823)
- The study of consistency in evaluating left ventricular diastolic function in patients with hypertension between velocity vector imaging and tissue Doppler imaging ..... ZHU Xiu-ling, MA Lin, ZHANG Yin, et al (827)
- Assessment of left ventricular diastolic function in hypertrophic cardiomyopathy with quantitative tissue velocity imaging ..... ZHAO Min, XU Liang, WANG Bei, et al (830)
- The evaluation of left ventricular mechanical dyssynchrony with dilated cardiomyopathy by real-time three-dimensional echocardiography ..... SUN Yu-feng (834)
- The value of nursing care in coronary angiography with dual-source CT ..... HUANG An-rong, LUO Yu-juan, SONG Qi-qin, et al (837)
- Study on perfusion changes of the hepatic parenchyma during the transformation from normal liver to viral-induced cirrhosis ..... ZHONG Qun, FANG Xin-hua, CHEN Zi-qian, et al (840)
- The study of collateral veins in gastroesophageal varices with CT portography ..... WANG Jia-chen, GONG Ruo-zhen, TIAN Jun, et al (845)

- CT findings of intrahepatic peripheral cholangiocarcinoma ..... XU Hua-guan, ZHUANG Jie, ZHANG Jian-jun, et al(848)
- CT diagnosis and differential diagnosis of solid-pseudopapillary tumor of pancreas ..... JIN Qiong-ying(851)
- Retrospective study of 48 cases with malignant lymphoma in spleen ..... HUANG An-qian, XU Liang, BAO Ling-yun, et al(854)
- Optimization of 64-detector CT urography of normal upper urinary tract: effect of supine position and furosemide ..... KONG Yi-fang, LIU Yong-bo, WANG Na, et al(856)
- The research of small intestine double-contrast by enter-coated air-barium gassing capsules taken orally ..... Ji Nian-shang, ZHANG Guo-liang, LAN Xiao-quan, et al(859)
- Discussion on the perfusion treatment of intussusception in children with different pressures through ultrasound guide ..... HUANG Shi-lin, ZHANG Li-yong, ZHANG Gong-nian(863)
- Comparative study on CT features and pathology of ileocecal tumors diseases ..... ZHANG Wan-qiang(866)
- The diagnostic value of transvaginal sonography and hysteroscopy in the causes of abnormal uterine bleeding ..... TAN Ying-chun, WANG Li, ZHANG Guang-ying(870)
- The diagnostic value of MRI in soft-tissue masses ..... TAN Qi-zuan, LI Gang, QI Qiang, et al(873)
- The value of high frequency ultrasound and color Doppler flow imaging in the diagnosis of superficial soft tissue masses ..... Li Feng-yong, SONG Wen-chao, ZHANG Zeng-fang(877)
- The diagnosis of tear of achilles tendon by MRI ..... ZHANG Xue-bin, MA Guo-lin, GU Fei, et al(880)
- Nursing care for patients with tachyrrhythmias underwent radiofrequency ablation ..... YAN Jing, LIU Ping, ZHANG Li-ting, et al(883)

### Imaging Technology

- The applications of 3D rotational angiography technique in cerebral aneurysms ..... QU Cui-lian, LIU Wei-dong, GUO Jian-jun, et al(886)

### Experimental Research

- Imaging of the spinal cord in rat of multiple sclerosis : preliminary study by 3.0 T clinical MR-scanner ..... ZHANG Hai-qin, LI Kun-cheng, YU Chun-shui, et al(889)
- Near infra-red fluorescence imaging of gastric cancer in xenograft nude mice ..... ZHANG Xiu-shi, REN Cui, GUO Fei, et al(892)

### Postgraduate Garden Plot

- MRI analysis of radiation brain injury ..... ZHANG Hong-tao, LI Cong-jie, ZHOU Juan, et al(896)
- Application of oblique axial MPR imaging of MSCT in diagnosing large vestibular aqueduct syndrome ..... LIANG Qi, HU Yue-qun, LIU Jun(899)
- Evaluation of the elasticity of common carotid artery wall of patients with end-stage renal disease by velocity vector imaging .. HAO Ye-hong, JIAO Yan, JIANG Tian-an(902)

### Reviews

- The diagnosis of multiple myeloma with imaging ..... YAO Shu-zhan, HOU Zhong-yu, ZHOU Cun-sheng(905)
- Prevention and control of nosocomial infection in interventional operation room ..... ZHANG Feng-xia, HU Xing-hua(908)

### Summary Articles

- Value of high-frequency ultrasound in diagnosis of gallbladder adenomyomatosis ..... ME Xiao-ping, ZHENG Chang-fu, YUAN Wei-wu(784)
- The ultra sound misdiagnosis analysis of the right side colon diverticulitis ..... XU Fei, ZHANG Ping, XU Mu-dan, et al(797)
- Analysis of the sonographic and pathological features in mammary hamartoma ..... MA Fu-cheng, LENG Xiao-ling, WU Xiu-lan(869)
- Manifestation of high-resolution color sonography of benign peripheral nerve sheath tumors ..... ZHAO Xin-mei, ZHU Chen-xia, LIU Bo, et al(911)
- Analysis of imaging manifestations in 50 cases of novel influenza A(H1N1) with pneumonia ..... XU Zhong-hua, FENG Jie, LU Li-hong, et al(913)
- Applications of contrast-enhanced ultrasonography in diagnosing liver or splenic trauma ..... XIE Xiao-hong, MA Su-ya, XU Ping, et al(914)
- The application value of curing malignancy obstructive jaundice by percutaneous liver nixis in color Doppler ultrasonic guidance. LAI Lian-fa, CHEN Bin(916)
- Chondromalacia patellae: evaluation with MRI ..... MAO Xiao-ming, JIANG Ting-chong, YANG Jian-rong, et al(917)

### Reports

- Diagnosis of teratoid parasitic in fetal abdominal cavity by ultrasound: one case report ..... LIU Tian-xin, YU Shu-li(773)
- The retina and choroids disengage: one case report ..... LIN Zong-yue(815)
- Hepatic subcapsular fluid and gas accumulation due to upper gastrointestinal perforation: one case report ..... LI Jun-hua, REN Ming-si(822)
- Microcystic cystadenoma of pancreas: one case of report ..... ZHAO Wei-jing(836)
- MSCT diagnosis of osteochondroma of rib: one case report ..... YU Jing-wu(862)
- Diagnosis of ovarian pregnancy by transvaginal ultrasound: one case report ..... JIANG Li-juan(885)
- The left wreteral cyst in combination with cystic dilatation in the initial segment of the left ureter: one case report ..... NIU Le-jun, SUN Na, YU Jing, et al(920)

Editor-on-Duty: GUO Dao-fang

English-Editor: LI Jian-feng

Type setting on Duty: JI Wei-qiu