

# 中华普外科手术学杂志

(电子版)

CHINESE JOURNAL OF OPERATIVE PROCEDURES OF  
GENERAL SURGERY (Electronic Edition)

双月刊 2007年7月创刊 第15卷 第6期 2021年12月26日出版 光盘导读

## 主管

中华人民共和国国家卫生健康委员会

## 主办

中华医学学会

100710,北京东四西大街42号

## 出版

中华医学电子音像出版社有限责任公司

100710,北京东四西大街42号

电话:0086-10-85158320

## 承 办

首都医科大学北京友谊医院

100050,北京市宣武区永安路95号

## 编 辑

中华普外科手术学杂志(电子版)编辑委员会

100700,北京市东城区南门仓5号

电话:0086-10-66721881 0086-10-64049986

网址: <http://zhpkwssxx.yigle.com>

Email: zhpwkssx@126.com

## 总编辑

李世拥 张忠涛

## 编辑部主任

李世拥

## 广告经营许可证

京东工商广字第0233号

## 发 行

国内:北京报刊发行局

## 订 购

全国各地邮政局

邮发代号 80-993

## 邮 购

中华普外科手术学杂志(电子版)编辑部

100700,北京市东城区南门仓5号

电话:0086-10-66721881 0086-10-64049986

## 光盘定价

每期 35 元,全年 210 元

## 中国标准连续出版物号

ISSN 1674-3946

CN 11-9293/R

## 2021 年版权归中华医学学会所有

未经授权,不得转载、摘编本刊文章,  
不得使用本刊的版式设计

除非特别声明,本刊刊出的所有文章不  
代表中华医学学会和本刊编委会的观点  
本刊为电子杂志,以光盘形式出版,本册  
应读者需求按需印刷,随光盘免费赠阅,  
光盘如有质量问题,请向编辑部调换。



## 目 次

### 专家述评

- 中国腹腔镜减重代谢手术 20 年回顾与展望 ..... 张忠涛 张鹏 591  
中国腔镜甲状腺手术 20 年回顾与展望 ..... 田文 姚京 郝洪庆等 598  
中国腹腔镜疝手术 20 年回顾与展望 ..... 唐健雄 李绍春 李绍杰 603

### 专家手术联播

- 腹腔镜 Roux-en-Y 胃旁路术 ..... 刘洋 张忠涛 606  
手术影院
- 腹腔镜胃袖状切除术 ..... 李智飞 陶明 607  
经自然腔道取出标本的腹腔镜  
右半结肠癌根治术 ..... 吴森 608

### 论 著

- DACT2 基因启动子甲基化与乳腺浸润性导管癌  
细胞生物学特性的关系 ..... 王勇 李海军 609  
保留乳头乳晕复合体乳房切除术中三种乳房  
重建术的临床效果对比 ..... 宋海涛 马斌 杨乐等 613  
浸润性乳腺癌( $T_{1-2}N_0M_0$  期) SLNB 阴性患者  
保腋窝术后预后的相关因素分析 ..... 游紫萱 陈红 肖丽等 617  
Overlap 吻合与 FEEA 在腹腔镜结肠癌根治术中的  
临床疗效对比研究 ..... 王兴琴 谢铭 张桃等 621  
钛夹辅助结肠镜定位用于结直肠癌手术的疗效  
及安全性分析 ..... 刘刚 袁新普 张朝军等 625  
两种二次手术方法治疗腹腔镜结直肠癌术后  
吻合口漏的临床比较 ..... 张剑锋 黄健 王白波等 629  
快速康复外科对Ⅲ期结肠癌患者术后胃肠道功能、  
炎症反应及营养指标的影响 ..... 赵彦娜 王芳 吴洁等 633  
悬吊法减孔腹腔镜术与传统腹腔镜术治疗直乙状  
结肠癌的疗效比较 ..... 陆耀 朱登峰 高平发等 636

腹腔镜低位直肠癌根治术中保留与不保留 Denonvilliers 筋膜的对照研究	李庆	高波	侯花屏等	639
腹腔镜直肠癌前切除术中保留左结肠动脉 3 年随访比较	潘勇成	杜欣宇	杜欣蕾等	643
两种联合切除方法治疗食管胃交界部腺癌的可行性及安全性比较	桑海泉	任伟强	陈鹏等	647
基于 D2 淋巴结清扫的两种术式治疗胃癌的近中期随访评价	蒋晓	张龙	尤玉成等	650
单孔 +1 孔腹腔镜远端胃癌根治术的安全性评价	马博	周军	李建刚等	653
3D 腹腔镜近端胃癌根治术在直径 >5 cm 的 T3-4 期胃癌患者中的应用研究	牛福勇	韩永军		657
内镜剥离术治疗早期胃癌及高级别上皮内瘤变的远期转归分析	王建华	韩靓	于亭亭等	661
腹腔镜胃功能保留术与根治术治疗早期胃癌的临床比较	邓褫夺	林学祥	李俊锐等	665
两种清创术治疗急性胰腺炎所致感染性胰腺坏死的临床效果研究	杨娟	杨先芹	张岚等	668
腹腔镜胰十二指肠切除术中腹膜后神经清扫在早期胰腺癌中的应用价值	吉韬	董仁华		672
腹腔镜胰十二指肠切除术后严重并发症的影响因素研究			王晓磊	676
甲状腺腺叶切除术两种显露喉返神经方法的临床疗效	梁龙	苏民富	李嘉根	680
两种术式治疗继发性甲状旁腺亢进的近期随访比较			赵蕾	683
两种肝切除方式治疗 III/IV 型肝门部管癌的疗效及安全性比较	丁建龙	刘晓晨	段建峰等	686
肝内胆管癌淋巴结转移相关危险因素研究	徐婷	程华	张维等	690
腹腔镜胆总管探查治疗胆总管结石胆管闭合方式的选取比较	马良丰	马召峰		693

## 综 述

结直肠癌肝转移多阶段机制研究进展	李丁昌	曹李	陈鹏等	696
经内镜 OTSC 系统治疗胃手术后吻合口漏(瘘)的研究进展	王乾宇	杜峻峰	陈纲	700
靶向癌胚抗原荧光抗体 SGM-101 在结直肠外科手术中的研究进展	李晶晶	刘志鹏	朱成章等	703

## 病例报道

胰腺导管腺癌伴环状胰腺解剖变异一例报道	牛河源	张俊晶	乔建梁等	707
---------------------	-----	-----	------	-----

## 读者·作者·编者

撤稿声明				628
------	--	--	--	-----

本期执行总编 李世拥 张忠涛

本期执行编委 田文 唐健雄 蔡慧云 崔伟

本期责任编辑 安萍 杨梅 本期英文审校 杜峻峰 崔伟 李宛真 本期视频编校 常晓燕 本期责任排版 常晓燕 本期编务 李宁

# CHINESE JOURNAL OF OPERATIVE PROCEDURES OF GENERAL SURGERY (Electronic Edition)

Bimonthly Established in July 2007

Volume 15, Number 6 December 26, 2021

## Responsible Institution

National Health Commission of the People's Republic of China

## Sponsor

Chinese Medical Association  
42 Dongsi Xidajie, Beijing 100710, China

## Publishing

Chinese Medical Multimedia Press Co., Ltd.  
42 Dongsi Xidajie, Beijing 100710, China  
Tel: 0086-10-85158320

## Executed by

Beijing Friendship Hospital of Capital Medical University  
100080, No. 95 Yongan Road, Xuanwu District, Beijing

## Editing

Editorial Board of Chinese Journal of Operative Procedures of General Surgery (Electronic Edition)  
5 Nanmenicang, Dongchenggu, Beijing 100700, China  
Tel: 0086-10-66721881 0086-10-64049986  
<http://zhpwkssxx.yigle.com>  
Email: zhpwkssx@126.com

## Editor-in-Chief

Li Shiyong (李世拥)  
Zhang Zhongtao (张忠涛)

## Managing Director

Li Shiyong (李世拥)

## Distributing

Public Issues in Overseas and Domestic

## Mail-Order

Chinese Journal of Operative Procedures of General Surgery (Electronic Edition)  
5 Nanmenicang, Dongchenggu, Beijing 100700, China  
Tel: 0086-10-66721881 0086-10-64049986  
Email: zhpwkssx@126.com

## CSSN

ISSN 1674-3946  
CN 11-9293/R

## Copyright © 2021 by the Chinese Medical Association

No content published by the journals of Chinese Medical Association may be reproduced or abridged without authorization. Please do not use or copy the layout and design of the journals without permission.

All articles published represent the opinions of the authors, and do not reflect the official policy of the Chinese Medical Association or the Editorial Board, unless this is clearly specified.

## CONTENTS IN BRIEF

### Editorial

Overview of the 20 years' history and future direction of laparoscopic metabolic and bariatric surgery in China ..... <i>Zhang Zhongtao, Zhang Peng</i>	591
Review and prospect of endoscopic thyroid surgery in China in 20 years ..... <i>Tian Wen, Yao Jing, Xi Hongqing, et al</i>	598
Review and prospect of laparoscopic hernia surgery in China for 20 years ..... <i>Tang Jianxiong, Li Shaochun, Li Shaojie</i>	603

### Specialist Operation Broadcast

Laparoscopic Roux-en-Y gastric bypass ..... <i>Liu Yang, Zhang Zhongtao</i>	606
--	-----

### Operation Theater

Laparoscopic sleeve gastrectomy ..... <i>Li Zhifei, Tao Ming</i>	607
Laparoscopic right hemicolectomy in the treatment of right colon cancer with natural orifice specimen extraction ..... <i>Wu Miao</i>	608

### Original Articles

Relationship between promoter methylation of DACT2 gene and biological characteristics of breast invasive ductal carcinoma cells ..... <i>Wang Yong, Li Haijun</i>	609
Comparison of clinical effects of three kinds of breast reconstruction in nipple-preserving areola complex mastectomy ..... <i>Song Haitao, Ma Bin, Yang Le, et al</i>	613
The clinical analysis of prognosis influencing factors of patients with negative sentinel lymph node biopsy in the invasive breast cancer with T1-2N0M0 after axillary sparing surgery ..... <i>You Zixuan, Chen Hong, Xiao Li, et al</i>	617
Comparative study on clinical effects of Overlap anastomosis and FEEA in laparoscopic radical colon cancer resection ..... <i>Wang Xingqin, Xie Ming, Zhang Tao, et al</i>	621
Clinical analysis of the efficacy and safety of titanium clip assisted lesion-location under colonoscopy for colorectal cancer surgery ..... <i>Liu Gang, Yuan Xinpu, Zhang Chaojun, et al</i>	625
Clinical comparison of two methods of secondary operation in the treatment of postoperative anastomotic leakage after laparoscopic colorectal cancer ..... <i>Zhang Jianfeng, Huang Jian, Wang Baibo, et al</i>	629

<b>The effect of rapid rehabilitation surgery on gastrointestinal function, inflammatory reaction and nutritional indicators in patients with stage III colon cancer after operation</b>	633
ZhaoYanna, Wang Fang, Wu Jie, et al	
<b>Comparison of the efficacy between laparoscopic suspension and traditional laparoscopic surgery in the treatment of sigmoid carcinoma</b>	636
Lu Yao, Zhu Dengfeng, Gao Pingfa, et al	
<b>A comparative study of Denonvilliers fascia retention or not in the laparoscopic radical resection of low rectal cancer</b>	639
Li Qing, Gao Bo, Hou Huaping, et al	
<b>Long-term follow-up study of thepreservation of left colon artery during laparoscopic anterior resection of rectal cancer</b>	643
Pan Yongcheng, Du Xinyu, Du Xinlei, et al	
<b>Comparison of the feasibility and safety of two combined resection methods in the surgical treatment of adenocarcinoma at the esophagogastric junction</b>	647
Sang Haiquan, Ren Weiqiang, Chen Peng, et al	
<b>The Near-mid-term follow-up evaluation of patients with gastric cancer underwent different surgical procedures based on D2 lymph node dissection</b>	650
Jiang Xiao, Zhang Long, You Yucheng, et al	
<b>Safety evaluation of single incision plus one port laparoscopic radical gastrectomy for distal gastric cancer</b>	653
Ma Bo, Zhou Jun, Li Jiangang, et al	
<b>Application of 3D laparoscopic proximal radical in patients with T3-4 gastric cancer &gt; 5 cm diameter</b>	657
Niu Fuyong, Han Yongjun	
<b>Long-term outcome of endoscopic dissection in the treatment of early gastric cancer and high-grade intraepithelial neoplasia</b>	661
Wang Jianhua, Han Liang, Yu Tingting, et al	
<b>Clinical comparison of laparoscopic gastric-function-preserving surgery and radical resection for early gastric cancer</b>	665
Deng Chiduo, Lin Xuexiang, Li Junrui, et al	
<b>Clinical effect of two methods on infective pancreatic necrosis caused by acute pancreatitis</b>	668
Yang Juan, Yang Xianqin, Zhang Lan, et al	
<b>The clinical value of retroperitoneal nerve dissection in laparoscopic pancreateoduodenectomy for early pancreatic cancer</b>	672
Ji Tao, Dong Renhua	
<b>The analysis of the influential factors of severe complications after laparoscopic pancreateoduodenectomy</b>	676
Wang Xiaolei	
<b>Clinical analysis of two surgical methods of exposing recurrent laryngeal nerve in thyroidectomy</b>	680
Liang Long, Su Minfu, Li Jiagen	
<b>Comparison of two surgical procedures for secondary hyperparathyroidism</b>	683
Zhao Lei	
<b>Comparison of the efficacy and safety of two hepatectomy methods in the treatment of type III/IV hilar cholangiocarcinoma</b>	686
Ding Jianlong, Liu Xiaochen, Duan Jianfeng, et al	
<b>The clinical analysis of risk factors of lymph node metastasis in intrahepatic cholangiocarcinoma</b>	690
Xu Ting, Cheng Hua, Zhang Wei, et al	
<b>Comparison of laparoscopic choledocholithiasis in the treatment of choledocholithiasis</b>	693
Ma Liangfeng, Ma Zhaofeng	

## Reviews

<b>Research progress on multi-stage mechanism of colorectal cancer liver metastasis</b>	696
Li Dingchang, Cao Li, Chen Peng, et al	
<b>Research progress of endoscopic OTSC system in the treatment of anastomotic leakage (fistula) after gastric surgery</b>	700
Wang Qianyu, DU Junfeng, Chen Gang	
<b>Research progress of fluorescent antibody SGM-101 targeting carcinoembryonic antigen in colorectal surgery of carcino-embryonic antigen targeting fluorescent antibody SGM-101 in colorectal surgery</b>	703
Li Jingjing, Liu Zhipeng, Zhu Chengzhang	