

• 专家论坛 •



[专家介绍] 张国楠,教授、主任医师、博士生导师。国务院特殊津贴专家,四川省学术与技术带头人,四川省有突出贡献的优秀专家,四川省卫健委首批领军人才。电子科技大学医学院附属肿瘤医院/四川省肿瘤医院·研究所妇科肿瘤中心主任、医学伦理委员会主任委员。主要从事妇科肿瘤的应用基础研究与临床工作。《中华妇产科杂志》编委、《中国实用妇科与产科杂志》副主编、《肿瘤预防与治疗》副主编、《实用妇产科杂志》副主编、《现代妇产科进展》副主编;中华医学会妇产科分会常委,中华医学会妇科肿瘤学分会常委,中国医师协会妇产科分会常委/妇科肿瘤专委会副主任委员;中国抗癌协会妇科肿瘤专委会常委;中国研究型医院学会妇科肿瘤专委会副主任委员;中国医药教育协会妇科专委会副主任委员;四川省医学会妇产科分会主任委员/妇科肿瘤学组组长、四川省医师协会妇产科分会会长、四川省抗癌协会妇科肿瘤专委会主任委员。承担国家自然科学基金两项、四川省科技厅重点研发项目一项及十余项科研项目,获省市科技进步奖6项。培养研究生50余人。

# 无瘤技术是腹腔镜下子宫(肿瘤)分碎术的安全保障\*

## ——时隔7年再谈分碎术与防范措施的进步

张国楠<sup>△</sup>,石宇,朱熠  
610041

关键词:

**Key words** Uterine sarcomas Uterine leiomyoma Uterine morcellation Ultrasound examination

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J . 2019 32 5 381-384.

2012

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2014

4

Food and Drug Administration

FDA

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2016

FDA

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2017

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2007 407

[通讯作者] <sup>△</sup> E-mail zhanggn@hotmail.com

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# 1 无保护分碎术带来的危害或并发症

## 1.1 分碎术可致子宫肉瘤病变迅速进展及其原因

0.05%~0.06%

3

6-10

## 2.1 术前评估与决策的重要性

2017

5

①

" "

②

## 1.2 分碎术用于良性疾病也可以致其种植生长

sistance index RI

re-RI ≤ 0.40

90.91%

0.12%~0.25%

48

99.82%

6

7

0.57%

" "

LDH CA125

" "

MRI

GnRH

MRI

①

T1 T2

11-12

②

③

## 2 观念、决策与无瘤技术三位一体才是完整防范体系

## 2.2 无瘤技术是术中必须的防范措施

1954

Cole

" "

1

2

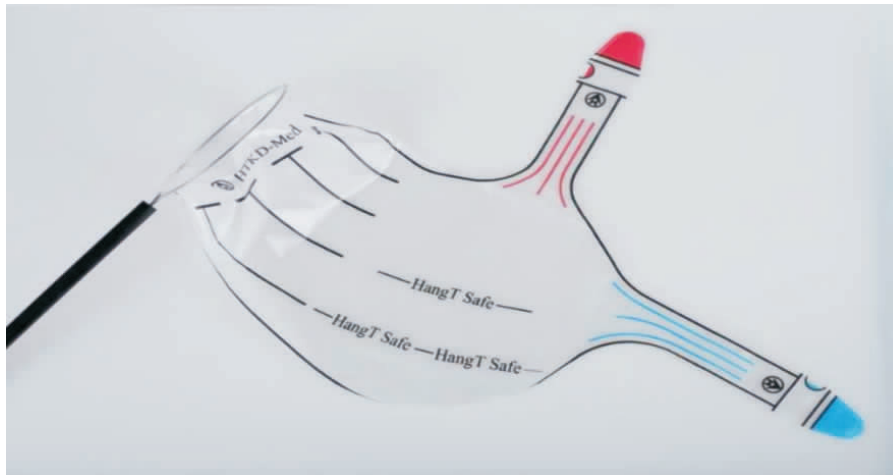


图1 密闭式旋切袋示意图:红色(耳朵)为置镜通道,蓝色(耳朵)为助手操作通道,左侧在装入标本后,收紧牵拉到体外,成为碎瘤器通道。充气后在其完全密闭的空间中进行分碎术,有效的避免了肿瘤的种植转移问题

密闭式旋切袋操作步骤

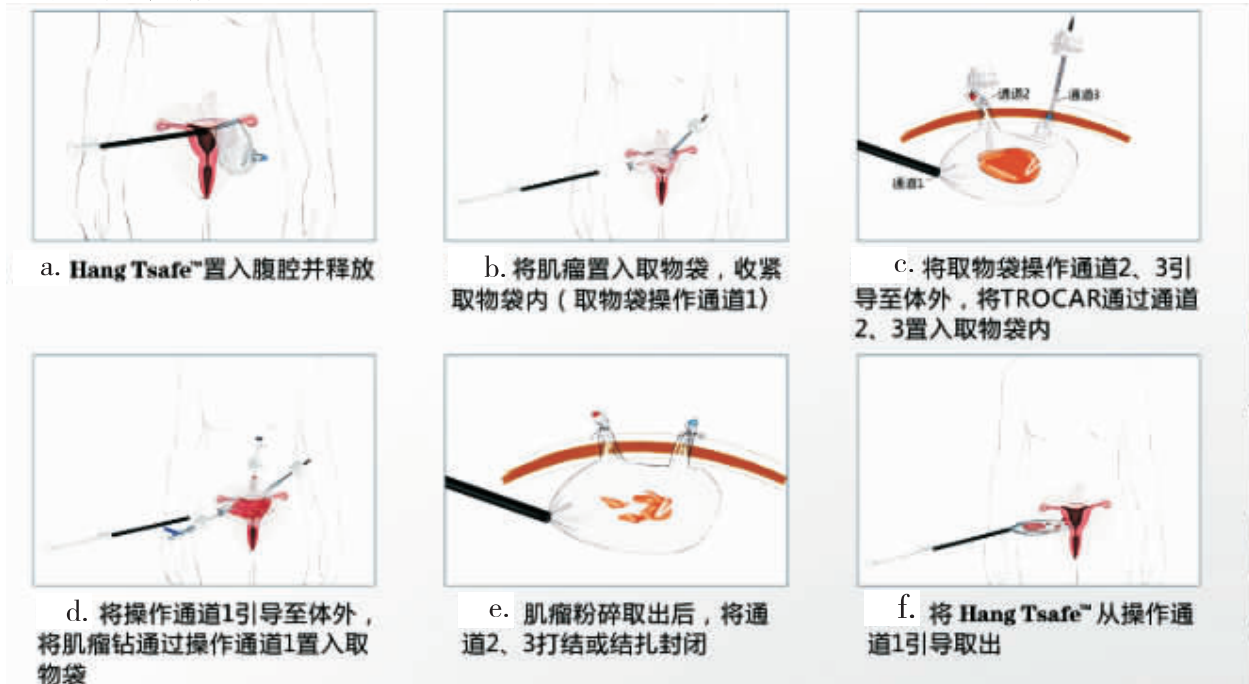


图2 密闭式旋切袋操作步骤

3 结 语

FDA

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