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# ANGEL

ANti-adhesions in Gynecology Expert panel

ISSN pending

ACTIVITIES CURRENT STATUS

## Postoperative adhesions survey

This survey, based on a survey conducted in Germany about penetration of ESGE (European Society for Gynaecological Endoscopy) guidelines and anti-adhesive agents, will be conducted under the umbrella of the ESGE. Its objective is to assess the awareness of ESGE members on adhesion formation and their consequences. ESGE members will be asked to fill in an online questionnaire comprising epidemiological questions on hospital data and questions on adhesion formation and reduction: pathogenesis of adhesion formation – identification on surgeries requiring anti-adhesive barriers – daily clinical practice to reduce adhesions – patient consent.

### CURRENT STATUS:

A revised version approved by ANGEL members is going to be implemented in ESGE preferred software “Survey Monkey” in order to complete the survey from September to December 2011.

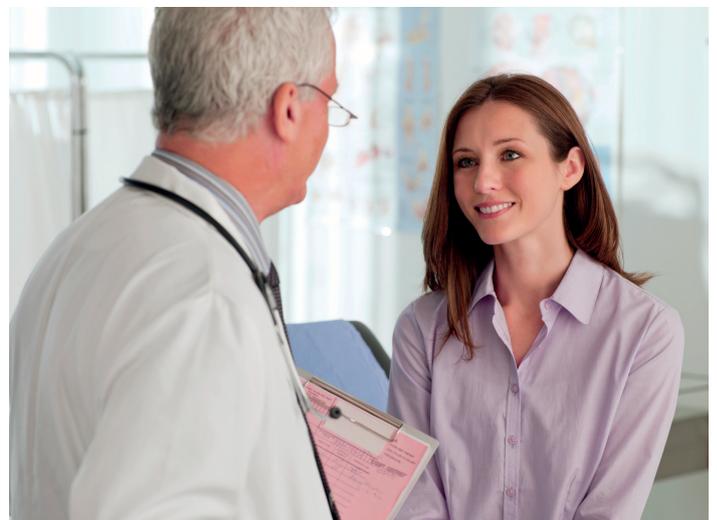
## Patient information leaflet

Germany is leading the development of a patient information/consent leaflet on post-surgical adhesions for all gynecological surgeries.

A literature review on legislation status in different countries regarding patient consent has been performed; the German content will be adapted/simplified for other European countries and published as ESGE recommendation.

### CURRENT STATUS:

A version revised by Professor DeWilde will be circulated in the ANGEL members in July.



RanD 2011

## RECENT LITERATURE

## What's new in the literature about postoperative adhesions?

- JANUARY 2011:** Prevention of postoperative peritoneal adhesions: a review of the literature. Schnüriger B, Barmparas G, Branco BC, Lustenberger T, Inaba K, Demetriades D. *Am J Surg.* 2011;201:111-21.

**CONCLUSIONS:** Postoperative adhesions are a significant health problem with major implications on quality of life and health care. General intraoperative preventative techniques, laparoscopic techniques, and the use of bioabsorbable mechanical barriers in the appropriate cases reduce the incidence and severity of peritoneal adhesions.
- FEBRUARY 2011:** Prevention of postoperative abdominal adhesions in gynecological surgery. Consensus paper of an Italian gynecologists' task force on adhesions. Mais V, Angioli R, Coccia E, Fagotti A, Landi S, Melis GB, Pellicano M, Scambia G, Zupi E, Angioni S, Arena S, Corona R, Fanfani F, Nappi C. *Minerva Ginecol.* 2011;63:47-70.

This consensus paper provides a comprehensive overview of adhesions and their consequences and practical proposals for actions that gynecological surgeons in Italy should take. As well as improvements in surgical technique, developments in adhesion-reduction strategies and new agents offer a realistic possibility of reducing adhesion formation and improving outcomes for patients. They should be adopted particularly in high risk surgery and in patients with adhesiogenic conditions. Patients also need to be better informed of the risks of adhesions.
- MARCH 2011:** Postoperative inflammation in the abdominal cavity increases adhesion formation in a laparoscopic mouse model. Corona R, Verguts J, Schonman R, Binda MM, Mailova K, Koninckx PR. *Fertil Steril.* 2011;95:1224-8.

**CONCLUSION(S):** Acute inflammation of the entire peritoneum cavity is an important mechanism involved in adhesion formation and enhances adhesion formation at the lesion site.
- APRIL 2011:** Efficacy of transient abdominal ovariopexy in patients with severe endometriosis. Carbonnel M, Ducarme G, Dessapt AL, Yazbeck C, Hugues JN, Madelenat P, Poncelet C. *Eur J Obstet Gynecol Reprod Biol.* 2011;155:183-7.

**CONCLUSION:** In patients with severe endometriosis, transient abdominal ovariopexy is an effective technique in preventing postoperative adhesion formation and in improving fertility outcome.

**CONDENSATION:** In 218 patients with severe endometriosis, transient abdominal ovariopexy was an effective technique in preventing adhesion formation and improving fertility outcome.

**Isobaric laparoendoscopic single-site surgery with wound retractor for adnexal tumors: a single center experience with the initial 100 cases.** Takeda A, Imoto S, Mori M, Nakano T, Nakamura H. *Eur J Obstet Gynecol Reprod Biol.* 2011 Apr 4. [Epub ahead of print].

**CONCLUSIONS:** With efficient wound retraction to create a wide and flexible orifice during instrumentation, the transumbilical wound retraction system combined with the subcutaneous abdominal wall-lift method contributes favorably to LESS surgery as a safe, feasible and reproducible alternative for a variety of ablative and reconstructive applications in the management of adnexal tumors.
- MAY 2011:** The impact of the learning curve on adhesion formation in a laparoscopic mouse model. Corona R, Verguts J, Binda MM, Molinas CR, Schonman R, Koninckx PR. *Fertil Steril.* 2011 May 21. [Epub ahead of print]

**CONCLUSION:** These data suggest that laparoscopic skills improve with training, leading to a decrease in the duration of surgery and formation of adhesions. Therefore completion of a standardized learning curve should be mandatory when initiating adhesion formation studies both in laboratory or clinical setting.

**Patients' awareness of postoperative adhesions: results from a multi-centre study and online survey.** Kraemer B, Birch JC, Birch JV, Petri N, Ahmad U, Marikar D, Wallwiener M, Wallwiener C, Foran A, Rajab TK. *Arch Gynecol Obstet.* 2011;283:1069-73.

**CONCLUSIONS:** There is lack of information among patients and physicians about adhesions and their complications. Written information before surgery and computer-based applications may help raise patient's awareness.
- JULY 2011:** Intraperitoneal adhesions-an ongoing challenge between biomedical engineering and the life sciences. Brochhausen C, Schmitt VH, Rajab TK, Planck CN, Krämer B, Wallwiener M, Hierlemann H, Kirkpatrick CJ. *J Biomed Mater Res A.* 2011;98:143-56.

LECTURES

ESGE 20th annual congress: The ANGEL members agenda\*



A. Wattiez	Sept 20 <sup>th</sup>		Postgraduate Course 1 – Deep infiltrating endometriosis	01:30-01:50pm	Bowel endometriosis: segmental resection	Faculty member
				02:50-03:10pm	Frequent and rare complications in advance to laparoscopic surgery in DIE	
	Sept 22 <sup>nd</sup>	Auditorium	Postgraduate Course 6 – ESGE Licence for laparoscopic technical skills	09:00am-05:30pm		Co-Chair
H.A. M. Brölmann	Sept 22 <sup>nd</sup>	Room E	Obstetrics and pediatrics related endoscopy	09:00-11:00am		Co-Chair
		Auditorium	Debate	03:00-03:30pm	Supra-cervical hysterectomy is a trendy unproven fad	
		Auditorium	Key-note lecture	03:30-04:00pm	Complications of Laparoscopic Surgery: how to prevent and manage	Chair
R. DeWilde	Sept 22 <sup>nd</sup>	Room B	Symposium NOR-DIC – Post-operative adhesions prevention	11:30am-01:00pm		
		Room F	Adhesions and surgery	02:00-03:30pm		Co-Chair
P. Koninckx	Sept 22 <sup>nd</sup>	Room B	Fertility and reproductive Surgery	04:30-04:45pm	Rectovaginal endometriosis: any impact on fertility	
A. Lower	Sept 22 <sup>nd</sup>	Room A	Innovations in surgery	12:30-12:45pm	New suturing techniques for laparoscopic myomectomy	
D. Wallwiener	Sept 22 <sup>nd</sup>	Room F	Adhesions and surgery	02:00-03:30pm		Co-Chair
		Room A	Improve your surgery	04:15-04:30pm	The benefit of technological developments and standardisation of complex laparoscopies	

\* Source: online advanced program (29/06/11)

EVENT

NORDIC Symposium at ESGE

Post-operative adhesions prevention in Gynecology

Thursday September 22<sup>nd</sup>

11:30-01:00 pm

Room B

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