VAGINAL REPAIR WITH MESH

Vaginal prolapse is a common condition and can cause symptoms such as a sensation of a vaginal lump, vaginal discomfort, constipation and difficulty emptying the bowel or bladder. An operation is only indicated when the prolapse is symptomatic. The majority of women will have improvement of symptoms following an operation.

Pelvic floor physiotherapy has been shown to decrease symptoms and prevent progression of vaginal prolapse. Physiotherapy is also strongly recommended for women having surgery to support the repaired area in the long term.

Some women will be suitable to try a vaginal pessary instead of surgery. This is a device which is inserted in the consulting rooms. The pessary supports the vagina and will be changed every 4 to 6 months.

Recently there has been controversy surrounding the use of mesh in vaginal prolapse surgery and legal action against the companies that produce these products both in Australia and the USA. For the majority of women, the risks of this procedure outweigh the benefits and surgery without mesh is the preferred operation. However in a small group where prolapse recurs soon after initial surgery, it may be recommended.

For the position statement from the Royal Australian and New Zealand College of Obstetrics and Gynaecology, follow the link: http://www.ranzcog.edu.au/college-statements-guidelines.html#gynaecology and select “Polypropylene Vaginal Mesh Implants for Vaginal Prolapse (C Gyn 20)”.


What is mesh?

☐ Mesh is a synthetic material and is permanent. It is very difficult to fully remove once placed.

☐ The mesh has holes within it which the body’s tissue grows into to fix the mesh into place over 3-4 weeks after surgery.

☐ The mesh acts as a reinforcement of the repair.

What happens during surgery?

☐ Women undergoing a vaginal prolapse surgery have the operation with general anaesthetic or regional (spinal) anaesthetic.

☐ A cut is made into the vagina and the lump (prolapse) is pushed back using stitches. This may be at the front or the back walls of the vagina or both, depending on the type of prolapse you have.

☐ The mesh is then placed onto the repair to reinforce the surgery and the vagina is closed with stitches which will dissolve. The body’s own tissues will grow into the mesh within 3-4 weeks.
Depending on the type of mesh procedure, there may be "arms" of mesh which come out through the groin. These arms are not felt in the groin, but small incisions are made in the groin.

An additional stitch (sacrospinous stitch) may be required at the top of the vagina or into the cervix to support the vagina. This stitch may cause some discomfort in the buttock. This discomfort may last a number of months until the stitch dissolves.

At the end of the operation a catheter (tube in the bladder) will drain urine from the bladder and a vaginal pack (bandage inside the vagina) will be placed. These will stay in for 2 days.

Antibiotics will be given during the surgery, and you will be asked to take antibiotic tablets for 1 week after the surgery.

Are there any complications?

Whenever mesh is used, there is a risk (about 10-13%) of mesh coming through the vagina at a later date. This may cause bleeding and discomfort. Further surgery may be required.

Pain in the vagina or groin due to the mesh. This may require excision of some of the mesh at a later date. It is however very difficult to fully remove all of the mesh and in some cases the pain cannot be resolved.

There may be a risk of infection around the mesh and you will be required to take antibiotics for 1 week after the surgery. In rare cases the mesh may need to be excised because of infection.

Recurrence of symptoms and/or prolapse following the surgery. If this occurs, the presence of the mesh makes further surgery complex.

Damage to the bladder or bowel during the surgery which would require repair during the surgery. A cystoscopy (look inside the bladder) will be performed at the end of the operation to check for any damage.

The ureter (the tube running from the kidneys down to the bladder) could be damaged during the surgery. A cystoscopy (looking inside the bladder) will be performed at the end of the surgery to check that no damage has occurred.

Rarely if the bladder or bowel were damaged, a fistula (connection between the vagina and bladder or bowel) can occur. This would cause constant leakage and require further surgery to correct the fistula.

Difficultly passing urine initially after the surgery requiring a catheter for days to weeks. This usually resolves once the swelling and bruising settles.

Some women experience pain with sexual intercourse or difficulty with intercourse due to scarring following the surgery. This may require further surgery to cut or remove some of the mesh. It is difficult to fully excise the mesh and in some cases the pain can not be resolved.

Functional problems, such as urinary incontinence or difficulty emptying the bowel or constipation may not be resolved or develop after prolapse surgery and need different treatment or further surgery.
□ Heavy bleeding during or soon after the surgery requiring blood transfusion or return to the operating theatre.

□ General risks of having an operation including the anaesthetic, pain and discomfort, infection in the surgical site or urinary tract, clots in the legs which can travel to the lungs, lung infections, stroke and heart attack.

Recovery time

Most women stay in hospital for 3 days. You will be sent home once you are feeling well.

It is important to rest after the operation and allow the area to heal. Generally it is recommended:

□ You restrict activity for two weeks.
□ After 2 weeks do light activity only.
□ No driving for 2 weeks, then resume only if comfortable in the driving position.
□ Avoid heavy lifting for 6 weeks, including shopping bags, washing baskets and children.
□ Abstain from sexual activity for 6 weeks.
□ Avoid playing sport for 6 weeks.

Many women experience some bleeding after the surgery which should be lighter than a period. This may become heavier after 1-2 weeks when the stitches dissolve.

If you have concerns following the surgery, please phone Dr Higgs’ rooms on 07 53155361 or contact Buderim Private Hospital (07 5430 3303) and ask to speak to a nurse on the surgical ward (Ward 1A or 4B).