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UTERINE SPARRING SURGERY – THE MANCHESTER REPAIR EXPERIENCE IN PENANG HOSPITAL

Hypothesis / aims of study

In recent years, there is more tendencies among patients to request for uterine conservation for prolapse. In Penang Hospital, Manchester repair has been offered to selected patients to conserve the uterus mainly for fertility preservation. This prospective review aim to show that Manchester repair is still useful in selected patients' with prolapse. This is a prospective review of 7 cases of Manchester repair performed in Penang Hospital from January 2007 to December 2009.

Study design, materials and methods

All patients underwent preoperative assessment and had a detailed history taken and clinical examination done. Pelvic organ prolapse quantifaction (POPQ) was used to assess the prolapse. Patients were also counselled on other available options. Patients were reviewed for intraoperative complications like blood loss, bladder or bowel injuries. Immediate post operative complications were also assessed. Patients were reviewed at 6 weeks, 3 months and 6 monthly thereafter postoperatively for any complications and also recurrence.

Results

A total of 7 patients were included in the study. 3 patients had Stage 2(POPQ) descent with 4 patients with Stage 3 descent. 3 patients had concomitant cystocele and 4 also had rectocele. Manchester repair with necessary pelvic floor repair were performed. The blood loss was less than 150ml. No intraoperative complications were encountered. During the immediate post operative period, only 1(14%) patient complained of significant pain. This was relieved by Non steroidal anti inflammatory drugs. All were discharged well within 3 days post procedure. Subsequent follow up reviews did not reveal any complains related to the procedure. On examination, the uterus was well supported and was beyond -4(C for POPQ). The follow up ranged from 5 months to 3 years. The patients were satisfied with the surgery.

Interpretation of results

The Manchester repair as a uterine sparring surgery was quite safe with no complications encountered. The medium term results were good with no recurrence.

Concluding message

The Manchester repair procedure is still relevant today in selected cases. It is suitable for Stage 2 and Stage 3 prolapse of the uterus where uterine conservation is preferred. It has been found to be safe with minimal complications, pain and satisfactory outcome.

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<i>Is this a clinical trial?</i>	No
<i>What were the subjects in the study?</i>	HUMAN
<i>Was this study approved by an ethics committee?</i>	Yes
<i>Specify Name of Ethics Committee</i>	Ethics Committee Hospital Pulau Pinang
<i>Was the Declaration of Helsinki followed?</i>	Yes
<i>Was informed consent obtained from the patients?</i>	Yes