

SUMMARY AND CONCLUSION

In recent years, laparoscopic surgery has been the most significant advance in general surgery. Unfortunately, like all advances in clinical practice, laparoscopic surgery has created new problems which have to be considered in the process of evaluation of such a new technique.

Only by an appreciation of the potential complications of a procedure can their overall incidence be reduced to a minimum.

The potential complications of a laparoscopic procedure include those that are inherent to laparoscopy and those are related to the specific operative procedure.

This study presents an evaluation of the intra-operative and postoperative complications met with in 100 patients undergoing four different laparoscopic procedures at *Benha University Hospital*, namely:

- Laparoscopic cholecystectomy.
- Laparoscopic varicocelectomy.
- Laparoscopic appendectomy.
- Laparoscopic fundoplication.

The complications encountered during this study included the following:

A- General complications of laparcscopy as:

- Cardiac dysrhythmias.
- Subcutaneous emphysema.

B- Complications specific to the different laparoscopic procedures as:

1- Complications of laparoscopic cholecystectomy:

- Bleeding from the liver bed and cystic artery.
- Gall bladder injury with spillage of bile and stones into the peritoneal cavity.
- Post operative bile leak and collections.

2- Complications of laparoscopic varicocelelectomy and laparoscopic appendectomy:

- There were no specific complications related to those procedures attempted in this study.

3- Complications of laparoscopic fundoplication:

- Dysphagia.
- Nausea, vomiting and diarrhoea.

Conclusion:

The net outcome of laparoscopy is influenced greatly by the training, experience, skill and judgement of surgeon performing the procedure, and what was thought to be a hazard, or contraindication, is now being managed confidently and safely by laparoscopy.

The complications which may be resulted from laparoscopic surgery, are either due to the procedure of laparoscopy itself, or been specific for each procedure, can be, to much extent, accepted and managed, compared statistically to those of the well established standard techniques.

As experience is gained, advances are made, and self confidence is increased, complication rates, particularly major ones, are expected to decline, and advantages of the minimally invasive surgery will be more evident to the community.