The development of Paediatric

Endoscopic Surgery

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The Development of Paediatric Endoscopic Surgery
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Part 1

The beginnings of Paediatric Endosurgery

Abstract:

This thesis is based on my collective clinical, basic research material and publications in endoscopic paediatric surgical procedures.

The first section traces our initial application of adult percutaneous renal surgical techniques for managing renal calculi disease in children. Having demonstrated clinical success with the technique in older children, it also describes how modifications were made to the technique as a result of experiments performed in our animal laboratory. We discuss the problems of adopting adult instruments and techniques for use in young children, and describe modifications and improvements to the equipment and technique to minimise blood loss, and to facilitate percutaneous renal access in infants and very young children.

The second section describes the introduction to laparoscopic surgery as a result of attending a scientific meeting in London in 1989. It details the development of the first paediatric laparoscopic set by Karl Storz with my assistance. The final part of this section includes my contribution to the medical literature on the topic of paediatric laparoscopic surgery.

The last section is a compilation of my publications on my main focus of interest i.e. paediatric urology, and includes several publications on uretero-pelvic junction obstruction, and the various minimally invasive methods of dealing with this. It also outlines the development of the various procedures described, where relevant.

The summary includes two papers non published works which is included in manuals of paediatric laparoscopic workshops.