Laparoscopy in Paediatric Urology: Recent Advances

JD SIHOE, N MAGSANOC, B SREEDHAR, CK YEUNG

Over the past decade, major advances in laparoscopy, aided by the development of more optically refined and diminutive instruments specially geared for use in infants and young children, have allowed the application of minimally invasive surgery (MIS) techniques in a wide spectrum of paediatric surgical and paediatric urological procedures. These modern and newer techniques are undergoing rapid evolution and additional innovative procedures are being continually introduced. The Division of Paediatric Surgery and Paediatric Urology, Chinese University of Hong Kong, has been pioneering many of these novel paediatric MIS procedures. This article aims to provide an updated synopsis of the advances in various laparoscopic procedures that can currently being performed safely and effectively in the context of paediatric urology. (HK J Paediatr (new series) 2004;9:65-73)

Key words: Laparoscopy; Nephrectomy; Paediatric urology; Pyeloplasty; Ureteric reimplantation; Varicocelectomy