INTRODUCTION

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The use of regional anaesthetic techniques in infants and shildren has become increasingly accepted as standard care. The most commonly performed regional anaesthetic techniques used in paediatric patents, are the caudal and lumbar approaches to the epidural space (Murkakis, 2000).

Efficient and prolonged postoperative analgesia is obtated with regional anaesthesia in paediatrics. Its use has been due to an easy performance in paediatrics. Regional anaesthesia in paediatrics as many indications and few contraindications (Ecoffey, 1997).

Regional anaesthetic techniques are useful for roviding postoperative pain control for ambulatory surgery in childr n... Good understanding of unique features of paediatric anatomy and p ysiology allows successful performance of these techniques (*Eck and Ros.*, 2002).

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The types of blocks that can be used safely in outpatier surgical paediatric patients are limited only be the skill and interest of the anaesthesiologist. Generally, the techniques chosen should be simple to perform, have minimal or no side effects, and not interfere vith motor function and early ambulation (Hannallah, 1999).

Caudal anaesthesia is an inexpensive, simple and technique, not only as a supplement for postoperative analges as a single method of anaesthesia (*Uguralp et al.*, 2002).

Caudal block is the single most popular regional a aesthetic technique used in infants and children. It is safe and it has a low failure rate and a high success rate. The incidence of complication is probably 7/10.000, the lowest of all central blockade (Zadra and Giusti,

001).

The provision of good postoperative analgesia withou effects of opioids has been the impetus for the popular use c epidural analgesia. An advantage in children is that epidural analgesia with a wide segmental spread provides excellent analgesia without the haen idynamic instability seen in adults (Brown et al., 1999).

the side

The use of spinal anaesthesia in children has been primar ly limited to situations in which general anaesthesia was considered 1 pose an excessive risk. The ex-premature infant and the neurologicall impaired child account for the majority of spinal anaesthetics used to ay. Spinal anaesthesia, compared with general anaesthesia, in the ex premature infant undergoing inguinal hernia repair has decreased po toperative respiratory complications (Lederhaas, 2003).

Peripheral nerve blocks are useful adjuvants to general naesthesia in the paediatric patient undergoing a wide variety of surgical procedures to provide intraoperative anaesthesia as well as postope ative pain control. (Santhanam, 2003).

peripheral nerve blocks include nerve herniorrhaphy and orchiopexy (infiltration block of loinguinal/ iliohypogastric nerve), penile surgery (penile nerve block), ip pinning (femoral nerve block), cleft lip repair (infraorbital nerve lock), even dermatologic procedures (digital nerve block, ankle blocks) (1 sher et al.,

locks for

1993). Of all these types of peripheral nerve blocks, only those of upper and lower extremity are of practical importance.

The interest in topical anaesthesia has been renewed in p ediatrics by the availability of several new ointments containing a mixture of local anaesthetics such as EMLA cream, TAC cream, and lie caine adrenaline -teracaine gel, (Ernst et al.,1995).

Newer techniques using topical anaesthetics and tissue dhesives have significantly simplified the process of laceration repair, comoting application in office, clinic, and emergency department setting (Knapp, 1999).