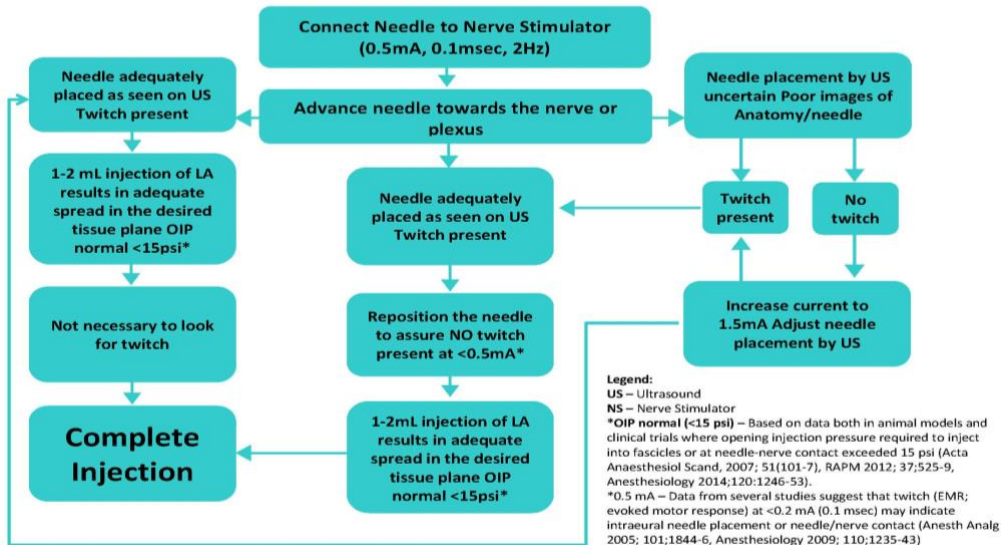


CURRENT TRENDS

- Complications in Paediatric RA (ADARPEF Study in 1996, 2010)
 - Overall RA complication rate in children is low at 0.09-0.12%.
 - Complications are more frequent in children <6 mths
 - CNB has higher (6X) complications than PNB
- Trends in Paediatric RA
 - There is a move from CNB to PNB (40%→66% in ADARPEF's study)
 - Caudals still account for most (80%) of CNB
 - PNB offers the advantage of providing target-controlled area of localized anaesthesia / analgesia, reducing the amount of LA used, thus systemic absorption is smaller. It is most useful in cases where CNB is contraindicated Eg. Truncal PNB may substitute CNB for laparotomy
- Technique evolution
 - Timeline
 - 1962- nerve stimulator
 - 1994- ultrasound
 - 2003- ultrasound in paediatric RA
 - Ultrasound vs nerve stimulator
 - Shorter block performance time
 - Higher success rate
 - Longer block duration
 - Less volume of LA
 - Visibility of neuraxial structures esp in infants <3mth old
 - Useful in paralysed patients or those with neuropathy

Suggested Standard Monitoring For Nerve Blocks

Ultrasound + Nerve Stimulation + Opening Injection Pressure (OIP)



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