## Ultrasound Guided Nerve Blocks for Hip & Femoral Fractures





cia iliaca

## Signs of local anaesthetic toxicity

**CNS**: paraesthesia, restlessness, confusion, seizures, coma **Resp**: methaemoglobinaemia

- $\textbf{CVS:} \ \text{transient hypertension, hypotension, tachycardia, arrhythmias}$
- GI: nausea & vomiting



## Management of local anaesthetic (LA) toxicity

Serum LA concentration peaks at 15-30 minutes post injection

- Stop LA infiltration, move the patient to resus
- Call for senior ED and Anaesthetic help
- Assess ABCDE. Perform a 12 lead ECG
- Treat hypotension with fluid boluses
- Treat seizures with lorazepam 4mg iv or diazepam 10mg iv (decrease dose if hypotensive)
- If QRS interval is prolonged, treat with sodium bicarbonate 8.4% iv
  If torsades de pointes, treat with magnesium 2g iv over 30 mins

December 2014 [review December 2016]

- Consider intralipid emulsion 20% 1.5 mL / kg iv bolus followed by
- infusion 0.5 mL / kg / min for 30-60mins (max 500 mL initially) • Stored in fridge in resus and in theatre 3 (ext 5832)



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Reference Documents

NICE Guideline CG124: The management of hip fractures, June 2011 New York School of Regional Anaesthesia: USS guided fascia iliaca block, 2013 Toxbase.org – The management of local anaesthetic toxicity, November 2008