Emergency Department Management of Newly Diagnosed Type 1 Diabetes

Child presents with signs of newly diagnosed diabetes

Child appears Well
- Alert and interacting

Child appears unwell
- Altered GCS
- Dehydrated +/- vomiting

Initial Investigations
- Capillary Blood Gas
- Blood Ketones
- Check Urine
- Apply EMLA
- +/- End tidal CO_2
- Baseline Neurological obs

Address
- Airway
- Breathing
- Circulation
- Resuscitation

Seek Urgent Senior Assistance
See DKA Guideline

- Cap gas pH 7.35-7.45
- +/- have an end tidal CO_2 > 30
- $HC0_3$ > 20

Manage conservatively, with oral hydration and subcutaneous insulin.

Discuss with endocrinology, before doing any further blood tests.

Admit under endocrinology team

- Cap gas pH 7.30 - 7.34
- Child alert and interacting
- $HC0_3$ < 20

Further Investigations
- U+E's
- FBC
- BGL
- VBG
- **Discuss results with Endo re treatment plan**

Admit under endocrinology team

- pH <7.3

Refer to DKA Guideline
Consult Endocrinology

Admit under endocrinology team