MSUD clinical management guidelines*

Presumptive positive MSUD**

Lab to contact specialist / designated team as per local protocol. The following information MUST be provided to the clinical team by the screening laboratory:

- (a) Hospital of Birth
- (b) Parent telephone number
- (c) Telephone number of the midwife (office and ward for out of hours contact)

ON THE SAME DAY

2.

3.

Specialist team to CONTACT FAMILY to arrange urgent hospital admission If family CANNOT BE CONTACTED, see footnote Specialist team to instruct family to go to appropriate hospital with 24 hr paediatric cover.

- Specialist team to liaise with the local hospital (on call Paediatric Consultant, or registrar or equivalent grade if unable to contact) a. Fax/email information to the hospital for clinicians and parents, BIMDG MSUD guidelines, 'MSUD is suspected' leaflet, contact numbers for the MSUD specialist team
 - b. Clinical assessment and admission to hospital regardless of clinical status
 - Obtain blood gases, U&E, LFT, FBC, cultures, urine ketones dipstick. Site IV cannula
 - Hospital to liaise with specialist centre regarding clinical status c.
 - Commence clinical management: d.
 - IV 10% dextrose/0.45% saline +added potassium infusion i.
 - ii. Transfer to specialist centre. If GCS <8, intubate, ventilate and organize Paediatric intensive care retrieval
 - iii. If transfer not possible same day, obtain diagnostic samples*** and courier urgently to specialist centre laboratory. Specialist team to liaise with laboratory to expect samples from admitting hospital
 - iv. If transfer not possible same day, specialist team to organise supplies of MSUD Anamix Infant formula, Isoleucine and Valine sachets and feeding plan****
 - Continue liaison between specialist and local hospital until transferred
- Specialist team to inform GP (as soon as practicable), send MSUD GP letter via fax / email 4
- 5. Specialist team to inform maternity services and health visiting services

