Urine C peptide creatinine ratio (UCPCR)

Urine c peptide creatinine ratio (UCPCR) is mainly to be used in patients on insulin treatment. Its role in patients not on insulin is limited. The principal role of urinary C-peptide is to identify insulin insufficiency, a feature of long term Type 1 diabetes, in insulin treated patients.

Patients with a high endogenous secretion >25th centile are likely to be those that benefit most from metformin and other oral agents. Further information can be found at:
http://www.diabetesgenes.org/content/urine-c-peptide-creatinine-ratio

Requesting UCPCR

Sample Type: Urine collected in boric acid container (MSU pot).

Sample Collection: 2 hours after eating largest meal of the day, having emptied their bladder before eating (see appendix instruction sheet).

Sample Stability: 3 days at room temperature.

Sample Labelling: Please label all samples with the patient's name, date of birth and NHS number.

Sample test code: UCP

Report Address: Please complete the UCPCR Requestor form (see appendix).

Target Report Time: 5 days

Cost: £10.50

Samples should be posted on the same day of collection via your local laboratory to: Clinical Chemistry Area A2 Royal Devon & Exeter Hospital Barrack Road Exeter EX2 5DW UK

Further information can be found at www.assayfinder.com or by contacting Tim McDonald:
Email: timothy.mcdonald@nhs.net or Tel: 01392 402935
Appendix 1: Patient information

INSTRUCTIONS FOR THE COLLECTION OF URINE SAMPLE FOR URINE C-PEPTIDE CREATININE RATIO (UCPCR) ANALYSIS

1. Please pass urine just before your biggest meal of the day and discard.
2. Eat your meal as usual with a glass or more of water.
3. Do not eat or drink anything else for the next 2 hours unless you have a hypoglycaemic attack (‘go hypo’), in which case you should do this test on another day).
4. Do not pass urine until 2 hours after this meal.
5. 2 hours after this meal, please go to the toilet and pass some urine into the pot with the red top provided. Screw the lid on securely.
6. Write the date and time the sample was collected on the bottle.