INFORMATION LEAFLETS FOR PARENTS / CARERS OF A CHILD

48 HOUR URINE COPPER COLLECTION

PENICILLAMINE CHALLENGE

Urine needs to be collected over a 48 hour period (divided into 24 hour periods), so should be done out of school hours, when there is free access to collection containers e.g. on the weekend, starting Saturday Morning, ending Monday morning

START SATURDAY MORNING

- It is best if you set your alarm to wake early so the first urine of the day passed can be discarded and collection can commence. The earlier you start the earlier you finish on Monday morning!
- Collect next urine in jug and empty contents into container marked 1.
- Record time on the container, this is the start time, end time will be 24 hours later e.g. start 09:00 Sat AM end as near to 09:00 Sun AM.
- Continue to pass all urine for the next 24 hours into jug and empty into container 1. (Two containers marked 1 will be given as one may not be enough to contain all urine). Only use the second container marker ‘1’ when the first one is full.
- Record end time on container.
- Store in cool place i.e. outside shed, garage, and out the reach of children (as the container contain an acid solution)

START SUNDAY MORNING

- Immediately after last urine is passed and collected on Sunday morning into container marker ‘1’ to complete 24 hour collection from previous day, take oral Penicillamine tablet.
- Record time on container, this will be the start time of the second 24 hour urine collection.
- Collect all urine passed for the next 24 hours into jug and empty into container marked 2.
- 12 hours after taking Penicillamine tablet/liquid take a second tablet and record time on container marked ‘2’.
- Continue to collect urine into jug and empty in container 2 until 24 hours from time recorded when first tablet taken has been completed.
- Store in cool place i.e. outside shed, garage, and out the reach of children (as the container contain an acid solution) until the containers are returned on Monday.
**IMPORTANT**

- All urine must be collected in the 48 hour period. If any urine is missed or discarded the test is invalid, which may lead to an incorrect diagnosis.

- If your child needs to have a bowel motion they must pass urine 1st in the jug, as urine mixed with stool cannot be collected and the test will have to be stopped.

For more information on **48 hour Urine Copper Collection Penicillamine Challenge**, please contact the **Liver Unit** in Our Lady's Children's Hospital, Crumlin, Dublin.

**CONTACT DETAILS:**

Phone: 01 409 6291 / Bleep 8453

**Remember:** Ask your nurse if you are unsure about anything about your child's care.

**Additional instructions**

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Department of Nursing