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| Patient Name : Mr MR.DUMMY | Sample Collected : Apr 26, 2024, 01:00 PM |
| DOB/Age/Gender : 23 Y/Male | Report Date : May 09, 2024, 01:13 PM |
| Patient ID / UHID : 8052376/RCL7248885 | Barcode No : ZC674272 |
| Referred By : Dr. X | Report Status : Final Report |
| Sample Type : Spot Urine | |

| Test Description | Value(s) | Unit(s) | Reference Range |
|------------------|----------|---------|-----------------|
|------------------|----------|---------|-----------------|

Homovanillic Acid (HVA) Spot Urine

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|--------------------------------------|------|-----------------|-------|
| HOMOVANILLIC ACID (HVA) (HPLC-EC) | 4.32 | mg/g creatinine | <7.60 |
|--------------------------------------|------|-----------------|-------|

Interpretation:

| ANALYTE | Age IN YEARS | REFERENCE RANGE mg/g creatinine |
|-----------|--------------|---------------------------------|
| Urine HVA | 0-2 | <32.6 |
| | >2.5 | 22.0 |
| | >5-10 | <15.1 |
| | >10-19 | <12.8 |
| | >19 | <7.6 |

Note

- It is recommended that initial biochemical testing for Pheochromocytoma and Paraganglioma should include measurements of plasma free metanephrines or urinary fractionated metanephrines using LC-MS/MS or HPLC with ECD.
- In a suspected case of Neuroblastoma, clinical sensitivity in the range of 91 % has been reported for combined use of urinary VMA, HVA, HIAA & dopamine than individual measurement.

Comment

Homovanillic acid (HVA) and other catecholamine metabolites like VMA & Dopamine are elevated in patients with catecholamine secreting tumors like Pheochromocytoma, Neuroblastoma & other Neural crest tumors. Certain enzyme deficiencies also alter HVA levels : Monoamine oxidase- A deficiency decreases urinary HVA levels while Dopamine beta hydrolase deficiency increases urinary HVA levels.

Uses

- HVA along with VMA is a useful screening test for catecholamine secreting tumors
- Monitoring Neuroblastoma treatment
- Evaluating patients with possible Inborn errors of catecholamine metabolism

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.



Dr. Dummy



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Processing Lab :-

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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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