



| | | Chopra gy & Microbiology) Consultant Pathologist | Dr. Yugan MD CEO & Consultant | (Pathology) |
|--|--|---|-------------------------------------|---|
| NAME | : Mrs. PRIYA | | | |
| AGE/ GENDER | : 65 YRS/FEMALE | Р | ATIENT ID | : 1648801 |
| COLLECTED BY | : | R | REG. NO./LAB NO. | : 012410210011 |
| REFERRED BY | : | R | EGISTRATION DATE | : 21/Oct/2024 08:41 AM |
| BARCODE NO. | :01519257 | C | COLLECTION DATE | : 21/Oct/2024 08:42AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | R | EPORTING DATE | : 21/Oct/2024 09:57AM |
| CLIENT ADDRESS | : 6349/1, NICHOLSON RO | AD, AMBALA CANTT | | |
| Test Name | | Value | Unit | Biological Reference interval |
| | CI | INICAL CHEMIST | RY/BIOCHEMISTR | Y |
| | | URIC | ACID | |
| URIC ACID: SERUM | | 7.4 ^H | mg/dL | 2.50 - 6.80 |
| by URICASE - OXIDAS NTERPRETATION:- | SE PEROXIDASE | 7.4 | | |
| 5.Psoriasis. 6.Sickle cell anaemia (B).DUE TO DECREASE | & myeloid metaplasia. etc. DEXCREATION (BY KIDNEYS) | | | |
| Alcohol ingestion. Thiazide diuretics. Lactic acidosis. Aspirin ingestion (left). Diabetic ketoacido: Renal failure due to DECREASED:- Dietary deficiency of 2.Fanconi syndrome Multiple sclerosis. Syndrome of inappi DUE TO INCREASEI | o any cause etc. DEFICIENCY of Zinc, Iron and molybdenum & Wilsons disease. ropriate antidiuretic hormon D EXCREATION | e (SIADH) secretion & lo | | ds and ACTH, anti-coagulants and estrogens et |

DR.YUGAM CHOPRA

CONSULTANT PATHOLOGIST

MBBS, MD (PATHOLOGY)

KOS Diagnostic Lab (A Unit of KOS Healthcare)

DR.VINAY CHOPRA CONSULTANT PATHOLOGIST

MBBS, MD (PATHOLOGY & MICROBIOLOGY)

677

2.54



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





| | MD (Pathology 6 Chairman & Col | & Microbiology) nsultant Pathologist | MD CEO & Consultant | (Pathology) Pathologist | |
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| BARCODE NO. | : 01519257 | COL | LECTION DATE | : 21/Oct/2024 08:42AM | |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | REP | ORTING DATE | : 21/Oct/2024 10:14AM | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, | , AMBALA CANTT | | | |
| Test Name | | Value | Unit | Biological Reference interval | |
| | | | | | |
| | | | | | |
| | | THYROID FUNCTIO | N TEST: TOTAL | | |
| | e (T3): Serum | THYROID FUNCTIO 1.205 | | 0.35 - 1.93 | |
| THYROXINE (T4): SE | E (T3): SERUM NESCENT MICROPARTICLE IMMUNOA | THYROID FUNCTIO 1.205 ASSAY) 9.21 | N TEST: TOTAL | 0.35 - 1.93 4.87 - 12.60 | |

 CLINICAL CONDITION
 T3
 T4
 TSH

 Primary Hypothyroidism:
 Reduced
 Reduced
 Increased (Significantly)

 Subclinical Hypothyroidism:
 Normal or Low Normal
 Normal or Low Normal
 High

| LIM | ΙΤΑΤ | IONS: | - |
|-----|------|-------|---|

Primary Hyperthyroidism:

Subclinical Hyperthyroidism:

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

Increased

Normal or High Normal

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (e.g.: phenytoin , salicylates).

3. Serum T4 levels in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy.

| TRIIODOTHYRONINE (T3) | | THYROXINE (T4) | | THYROID STIMULATING HORMONE (TSH) | | |
|-----------------------|-----------------------------|-------------------|-----------------------------|-----------------------------------|------------------------------|--|
| Age | Refferance Range (ng/mL) | Age | Refferance Range (µg/dL) | Age | Reference Range (μIU/mL) | |
| 0 - 7 Days | 0.20 - 2.65 | 0 - 7 Days | 5.90 - 18.58 | 0 - 7 Days | 2.43 - 24.3 | |
| 7 Days - 3 Months | 0.36 - 2.59 | 7 Days - 3 Months | 6.39 - 17.66 | 7 Days - 3 Months | 0.58 - 11.00 | |
| 3 - 6 Months | 0.51 - 2.52 | 3 - 6 Months | 6.75 - 17.04 | 3 Days – 6 Months | 0.70 - 8.40 | |

Increased

Normal or High Normal





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DR.YUGAM CHOPRA

CONSULTANT PATHOLOGIST IICROBIOLOGY) MBBS , MD (PATHOLOGY)



Reduced (at times undetectable)

Reduced

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| | Dr. Vinay Chopra MD (Pathology & Microbic Chairman & Consultant Pa | | (Pathology) |
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| Test Name | | Value | Unit | | Biological Reference interval | |
|---------------------|---------------|----------------------|------------------|---------------------|-------------------------------|--|
| 6 - 12 Months | 0.74 - 2.40 | 6 - 12 Months | 7.10 - 16.16 | 6 - 12 Months | 0.70 - 7.00 | |
| 1 - 10 Years | 0.92 - 2.28 | 1 - 10 Years | 6.00 - 13.80 | 1 – 10 Years | 0.60 - 5.50 | |
| 11-19 Years | 0.35 - 1.93 | 11 - 19 Years | 4.87- 13.20 | 11 – 19 Years | 0.50 - 5.50 | |
| > 20 years (Adults) | 0.35 - 1.93 | > 20 Years (Adults) | 4.87 - 12.60 | > 20 Years (Adults) | 0.35-5.50 | |
| | RECON | IMENDATIONS OF TSH L | EVELS DURING PRE | GNANCY (µIU/mL) | | |
| 1st Trimester | | | 0.10 - 2.50 | | | |
| 2nd Trimester | | | 0.20 - 3.00 | | | |
| | 3rd Trimester | | | 0.30 - 4.10 | | |

INCREASED TSH LEVELS:

1.Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis

4.DRUGS: Amphetamines, iodine containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1. Toxic multi-nodular goiter & Thyroiditis.

2. Over replacement of thyroid hormone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8.Pregnancy: 1st and 2nd Trimester

*** End Of Report **





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