


Medical Laboratory Report

Patient Name : Mr Ningoji Patil
Age and Gender : 60 Years / Male
Category : OPD - MH KRSNAA HEADOFFICE PUNE
Referring Doctor : HOME COLLECTION
Sample Processed at : KDLKNHMPUNE411002

Patient UID No : HOK240600539134
PRN No : HOK240600539134
Registered On : 20 Jun 2024 11:00
Sample UID No. 
110989338

HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
-----------	----------------	-------	-------------------------------

ESR 45.00 mm/hr 0 - 12

(Sample type : EDTA)

Method - Westergren

Test Description:

- ESR is the distance in millimeters that erythrocytes fall during 1 hour in a sample of venous blood (Westergren principle).

Test Interpretation:

ESR increased in:

- Infections , Vasculitis, including temporal arteritis , Inflammatory arthritis , Renal disease , Anemia , Malignancies and plasma cell dyscrasias. , Acute allergy , Tissue injury, including myocardial infarction , Pregnancy (but not first trimester) , Estrogen administration , Aging

ESR decreased in:

- Polycythemia Vera , Sick cell anemia , CHF , Typhoid and undulant fever, malarial paroxysm, trichinosis, pertussis , infectious mononucleosis, uncomplicated viral diseases Peptic ulcer , Acute allergy

Test Limitations:

Causes of a falsely increased ESR

- Increased fibrinogen; increased gamma-and betaglobulins
- Drugs (dextran, penicillamine, theophylline, vitamin A, methyldopa, methysergide)
- Technical factors (e.g., Hemolyzed sample, high temperature in the laboratory)
- Hypercholesterolemia Causes of a falsely decreased ESR
- Abnormally shaped RBCs (sickle cells, spherocytes, acanthocytes)
- Microcytosis
- HbC disease
- Hypofibrinogenemia
- Technical factors (low temperature in the laboratory, clotted blood)
- Extreme leukocytosis
- Drugs (quinine, salicylates, high steroid levels, drugs that cause high glucose levels)


Reflex Test: CBC, CRP, HS CRP, Serum IGE.

References: Wallach's Interpretation of Diagnostic Tests TENTH EDITION.



~~~ END OF REPORT ~~~



  
**DR. SANA BIBEKAR**  
(MBBS, MD PATHOLOGY) Reg no - MMC  
2016/08/2474


Sample Collected On : 20.06.2024 11:00  
Results Authenticated : 20.06.2024 16:47

Sample Accepted On : 20.06.2024 15:15  
Results Reported : 20.06.2024 16:47

E12604  
Printed On : 09.07.2025 16:38

## Medical Laboratory Report


Patient Name : Mr Ningoji Patil  
Age and Gender : 60 Years / Male  
Category : OPD - MH KRSNAA HEADOFFICE PUNE  
Referring Doctor : HOME COLLECTION  
Sample Processed at : KDLKNMHMPUNE411002

Patient UID No : HOK240600539134  
PRN No : HOK240600539134  
Registered On : 20 Jun 2024 11:00  
Sample UID No.   
106958438

### BIOCHEMISTRY

| Test Done                                                                                     | Observed Value | Units     | Biological Reference Interval |
|-----------------------------------------------------------------------------------------------|----------------|-----------|-------------------------------|
| <b><u>LIVER FUNCTION TEST (LFT)</u></b>                                                       |                |           |                               |
| <b>( Sample type : Serum )</b>                                                                |                |           |                               |
| <b>Total Bilirubin - Serum</b><br>Serum<br>Diazonium Salt                                     | 0.30           | mg. / dL. | 0.2 to 1.2 mg/dl              |
| <b>Direct Bilirubin - Serum</b><br>Serum<br>Diazo Reaction                                    | 0.20           | mg. / dL. | 0.0 - 0.4                     |
| <b>Indirect Bilirubin - Serum</b><br>Calculated                                               | 0.10           | mg. / dL. | 0.0 - 1.00                    |
| <b>Total Protein - Serum</b><br>Serum<br>Biuret                                               | 7.30           | g / dl    | 6.2 - 8.0                     |
| <b>Albumin - Serum</b><br>Serum<br>Colorimetric (Bromcresol Green)                            | 3.20           | g / dl.   | 3.5 - 5.5                     |
| <b>Globulin - Serum</b><br>Calculated                                                         | 4.10           | g / dl.   | 2.0 - 3.50                    |
| <b>A/G Ratio</b><br>Calculated                                                                | 0.78           | %         | 1.0 - 1.8                     |
| <b>Aspartate Transaminase (SGOT/AST) - Serum</b><br>Serum<br>Enzymatic [NADH [Without P-5-P]] | 21.00          | U/L       | 0 - 46                        |
| <b>Alanine Transaminase (SGPT/ALT) - Serum</b><br>Serum<br>Enzymatic [NADH [Without P-5-P]]   | 16.00          | U/L       | 0 to 55 U/L                   |
| <b>SGOT / SGPT Ratio</b>                                                                      | 1.31           |           | < 1.00                        |
| <b>Alkaline Phosphatase - Serum</b><br>Serum<br>Para-nitro phenyl phosphatase                 | 157.00         | U / L     | 40 - 150                      |
| Test performed on fully automated biochemistry analyzer                                       |                |           |                               |



  
**DR. SANA BIBEKAR**  
(MBBS, MD PATHOLOGY) Reg no - MMC  
2016/08/2474

Sample Collected On : 20.06.2024 11:00  
Results Authenticated : 20.06.2024 16:02

Sample Accepted On : 20.06.2024 15:15  
Results Reported : 20.06.2024 16:11

Printed On : 09.07.2025 16:38

~~~ END OF REPORT ~~~