



X-Ray Report

Name: Kedar

Age: 19

Gender: Male

Findings:

The proximal radio-ulnar and elbow joints are intact and display normal alignment without fractures, dislocations, or signs of degenerative changes on the X-ray.

Impression:

Radiological assessment reveals no abnormalities in the elbow region, suggesting no evident bone or joint pathology in the imaged area.

Atelectasis: 24.41

Cardiomegaly: 5.18

Consolidation: 10.55

Edema: 4.39

Effusion: 26.27

Emphysema: 4.69

Fibrosis: 2.64

Infiltration: 37.21

Mass: 11.91

Nodule: 12.4

Pleural thickening: 5.96

Pneumonia: 2.73

Pneumothorax: 11.04

Tabulation:

Reading when ink dot is directly focused (A)				Reading when ink dot is directly focused through travelling microscope				Reading when saw dust is focused			
MSR (cm)	V.C. (div)	TR (cm)		MSR (cm)	V.C. (div)	TR (cm)		MSR (cm)	V.C. (div)	TR (cm)	
1.6	50	1.65		1.9	40	1.94		2.6	50	2.65	
1.6	50	1.65		2.25	50	2.3		3.9	40	3.94	
1.6	50	1.65		2.6	50	2.65		5.6	50	5.65	
1.6	50	1.65		2.85	40	2.89		4.5	50	4.55	
								4.9	50	4.95	

= 1.33

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Assessment of purity of liquid by determining its refractive index

*** Aim :-**
To determine the purity of a liquid in terms of refractive index, using travelling microscope

*** Apparatus Required :-**
Travelling microscope, reading lens, 50ml beaker, water, saw dust etc.

*** Formula :-**
Refractive index of the liquid

$$\mu = \frac{(C-A)}{(C-B)}$$

where

A → Reading of microscope when ink dot is focused directly.

B → Reading of microscope when focused through H₂O

C → Reading of microscope when saw dust is focused

Teacher's Signature _____

This is a computer-generated document, no signature is required.