PID No.
 : MED210163399
 Register On
 : 09/11/2024 8:40 AM

 SID No.
 : 522416017
 Collection On
 : 09/11/2024 10:28 AM

 Age / Sex
 : 50 Year(s) / Male
 Report On
 : 09/11/2024 3:35 PM

 Type
 : 0P
 Printed On
 : 11/11/2024 5:05 PM

Ref. Dr : MediWheel

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BLOOD GROUPING AND Rh TYPING	'B' 'Positive'		
(EDTA Blood/Agglutination)			
INTERPRETATION: Note: Slide method is scre	ening method. Kind	lly confirm with Tube methor	od for transfusion.
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/SLS Hemoglobin method)	14.6	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/RBC pulse height detection method)	42.1	%	42 - 52
RBC Count (EDTA Blood/Impedance/Coulter Principle)	5.16	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood/ <i>Calculated</i>)	81.6	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/ <i>Calculated</i>)	28.4	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Calculated)	34.8	g/dL	32 - 36
RDW-CV (Calculated)	14.9	%	11.5 - 16.0
RDW-SD (Calculated)	42.55	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance/Coulter Principle)	4900	cells/cu.mm	4000 - 11000
Neutrophils	43.0	%	40 - 75



47.8

2.2



%

%



20 - 45

01 - 06

The results pertain to sample tested.

(Blood/Flow cytometry)
Lymphocytes

(Blood/Flow cytometry)

Eosinophils (Blood/Flow cytometry)

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<u>Investigation</u>	<u>Observed</u>	<u>Unit</u>	<u>Biological</u>
	<u>Value</u>		Reference Interval
Monocytes	6.4	%	01 - 10
(Blood/Flow cytometry)			
Basophils	0.6	%	00 - 02
(Blood/Flow cytometry)			
INTERPRETATION: Tests done on Automated I	Five Part cell count	er. All abnormal results	s are reviewed and confirmed microscopically.
Absolute Neutrophil count	2.11	10^3 / μ1	1.5 - 6.6
(EDTA Blood/Calculated)			
Absolute Lymphocyte Count	2.34	10^3 / μ1	1.5 - 3.5
(EDTA Blood/Calculated)			
Absolute Eosinophil Count (AEC)	0.11	10^3 / μ1	0.04 - 0.44
(EDTA Blood/Calculated)			
Absolute Monocyte Count	0.31	10^3 / μ1	< 1.0
(EDTA Blood/Calculated)			
Absolute Basophil count	0.03	10^3 / μ1	< 0.2
(EDTA Blood/Calculated)			
Platelet Count	182	10^3 / μ1	150 - 450
(EDTA Blood/Impedance/Coulter Principle)			
MPV	9.5	fL	7.9 - 13.7
(Blood/Calculated)			
PCT	0.17	%	0.18 - 0.28
(Calculated)			
ESR (Erythrocyte Sedimentation Rate)	5	mm/hr	< 15
(Citrated Blood/Capillary Photometry			
Technology)	100 50	/ 1 T	N. 1 . 100
Glucose Fasting (FBS) (Plasma - F/Hexokinase)	109.56	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125
(1 Iasilia - 1/11exokinuse)			Diabetic: >= 126

INTERPRETATION: Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.

Glucose, Fasting (Urine)	Negative		Negative
(Urine - F/ <i>Hexokinase</i>)			
Glucose Postprandial (PPBS)	136.57	mg/dL	70 - 140
(Plasma - PP/Hexokinase)			







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<u>Investigation</u>	Observed Unit	<u>Biological</u>
	<u>Value</u>	Reference Interval

INTERPRETATION:

Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Urine Glucose(PP-2 hours) (Urine - PP/Hexokinase)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	8.6	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.73	mg/dL	0.9 - 1.3

INTERPRETATION: Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin, cefazolin, ACE inhibitors, angiotensin II receptor antagonists, N-acetylcyteine, chemotherapeutic agent such as flucytosine etc.

Uric Acid (Serum/Enzymatic) Liver Function Test	5.53	mg/dL	3.5 - 7.2
Bilirubin(Total) (Serum/DCA with ATCS)	0.39	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.18	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.21	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	22.74	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	31.60	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	18.51	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	64.2	U/L	53 - 128







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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Total Protein (Serum/Biuret)	7.51	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.71	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.80	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.68		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	118.87	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	112.70	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500

INTERPRETATION: The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the "usual" circulating level of triglycerides during most part of the day.

HDL Cholesterol (Serum/Immunoinhibition)	33.95	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	62.4	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	22.5	mg/dL	< 30







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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Non HDL Cholesterol (Serum/Calculated)	84.9	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220

INTERPRETATION: 1.Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol. 2.It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.

Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	3.5	Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	3.3	Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	1.8	Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0

Glycosylated Haemoglobin (HbA1c)

INTERPRETATION: If Diabetes - Good control: 6.1 - 7.0 %, Fair control: 7.1 - 8.0 %, Poor control >= 8.1 %

Estimated Average Glucose 116.89 mg/dL

(Whole Blood)







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InvestigationObservedUnitBiologicalValueReference Interval

INTERPRETATION: Comments

HbA1c provides an index of Average Blood Glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency,

hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values.

Conditions that shorten RBC survival like acute or chronic blood loss, hemolytic anemia, Hemoglobinopathies, Splenomegaly, Vitamin E ingestion, Pregnancy, End stage Renal disease can cause falsely low HbA1c.

Prostate specific antigen - Total(PSA)

0.487

ng/ml

Normal: 0.0 - 4.0 Inflammatory & Non Malignant conditions of Prostate & genitourinary system: 4.01 - 10.0 Suspicious of Malignant disease of

Prostate: > 10.0

THYROID PROFILE / TFT

(Serum/Manometric method)

T3 (Triiodothyronine) - Total 1.13 ng/ml 0.7 - 2.04

(Serum/ECLIA)

INTERPRETATION:

Comment:

Total T3 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T3 is recommended as it is Metabolically active.

T4 (Tyroxine) - Total 9.64 μg/dl 4.2 - 12.0

(Serum/ECLIA)

INTERPRETATION:

Comment:

Total T4 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T4 is recommended as it is Metabolically active.

TSH (Thyroid Stimulating Hormone) 1.59 μIU/mL 0.35 - 5.50

(Serum/ECLIA)







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INTERPRETATION:

Reference range for cord blood - upto 20

1 st trimester: 0.1-2.5 2 nd trimester 0.2-3.0 3 rd trimester : 0.3-3.0

(Indian Thyroid Society Guidelines)

Comment:

- 1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI.
- 2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM. The variation can be of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.
- 3. Values&lt; 0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

PHYSICAL EXAMINATION (URINE COMPLETE)

Colour (Urine)	Pale yellow	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	25	
CHEMICAL EXAMINATION (URINE COMPLETE)		
pH (Urine)	7	4.5 - 8.0
Specific Gravity (Urine)	1.004	1.002 - 1.035
Ketone (Urine)	Negative	Negative
Urobilinogen (Urine)	Normal	Normal
Blood (Urine)	Negative	Negative
Nitrite (Urine)	Negative	Negative







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Casts (Urine)

Crystals

(Urine)

Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Bilirubin (Urine)	Negative		Negative
Protein (Urine)	Negative		Negative
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine)	Negative		
MICROSCOPIC EXAMINATION (URINE COMPLETE)			
Pus Cells (Urine)	0-2	/hpf	NIL
Epithelial Cells (Urine)	0-2	/hpf	NIL
RBCs (Urine)	NIL	/hpf	NIL
Others (Urine)	NIL		
INTERPRETATION: Note: Done with Automate reviewed and confirmed microscopically.	d Urine Analyser &	& Automated urine sedimentation an	alyser. All abnormal reports are



NIL

NIL



/hpf

/hpf



NIL

NIL

PID No. Register On : MED210163399 : 09/11/2024 8:40 AM : 522416017 **Collection On** : 09/11/2024 10:28 AM SID No. Age / Sex : 50 Year(s) / Male Report On : 09/11/2024 3:35 PM **Type** : OP **Printed On**

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<u>Unit</u> **Investigation Observed Biological Value** Reference Interval BUN / Creatinine Ratio 6.0 - 22.0 11.7



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<u>Unit</u>

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Biological Reference Interval

URINE ROUTINE





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-- End of Report --

Name	MR.RATNAKAR SWAIN	ID	MED210163399
Age & Gender	50Y/MALE	Visit Date	09 Nov 2024
Ref Doctor Name	MediWheel	-	

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (14.8cms) **and has increased echogenicity**. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER shows normal shape and has clear contents. Wall is of normal thickness. CBD is of normal calibre.

PANCREAS has normal shape, size and uniform echopattern. No evidence of ductal dilatation or calcification.

SPLEEN shows normal shape, size (8.7 cms) and echopattern.

BOTH KIDNEYS

Right kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

Left kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

The kidney measures as follows:

·	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	10.8	1.3
Left Kidney	10.5	1.5

URINARY BLADDER shows normal shape and wall thickness. It has clear contents. No evidence of diverticula.

PROSTATE shows normal shape, size and echopattern. It measures 2.5 x 3.9 x 3.1cms vol: 17cc.

No evidence of ascites.

IMPRESSION:

• Diffuse fatty infiltration of liver grade I.

DR. VANDANA S CONSULTANT RADIOLOGIST Vs/Ry

Name	MR.RATNAKAR SWAIN	ID	MED210163399
Age & Gender	50Y/MALE	Visit Date	09 Nov 2024
Ref Doctor Name	MediWheel		

Name	MR.RATNAKAR SWAIN	ID	MED210163399
Age & Gender	50Y/MALE	Visit Date	09 Nov 2024
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA 2.32 cms. LEFT ATRIUM 2.15 cms. **AVS** 1.47 cms. LEFT VENTRICLE (DIASTOLE) 3.52 cms. (SYSTOLE) 1.15 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 0.98 cms. (SYSTOLE) 1.86 cms. POSTERIOR WALL (DIASTOLE) 1.23 cms. (SYSTOLE) 1.13 cms. **EDV** 60 ml. **ESV** 15 ml. FRACTIONAL SHORTENING 38 % **EJECTION FRACTION** 60 % *** **EPSS** cms. **RVID** 1.80 cms.

DOPPLER MEASUREMENTS:

MITRAL VALVE: E - 0.8 m/s A - 0.6 m/s NO MR.

AORTIC VALVE: 1.1 m/s NO AR.

TRICUSPID VALVE: E - 0.4 m/s A - 0.3 m/s NO TR.

PULMONARY VALVE: 0.8 m/s NO PR.

Name	MR.RATNAKAR SWAIN	ID	MED210163399
Age & Gender	50Y/MALE	Visit Date	09 Nov 2024
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHY FINDINGS:

Left Ventricle : Normal size, Normal systolic function.

: No regional wall motion abnormalities.

Left Atrium : Normal.

Right Ventricle : Normal.

Right Atrium : Normal.

Mitral Valve : Normal. No mitral valve prolapsed.

Aortic Valve : Normal. Trileaflet.

Tricuspid Valve : Normal.

Pulmonary Valve : Normal.

IAS : Intact.

IVS : Intact.

Pericardium : No pericardial effusion.

IMPRESSION:

- NORMAL SIZED CARDIAC CHAMBERS.
- NORMAL LV SYSTOLIC FUNCTION. EF: 60 %.
- NO REGIONAL WALL MOTION ABNORMALITIES.
- NORMAL VALVES.
- NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. YASHODA RAVI CONSULTANT CARDIOLOGIST

Name	MR.RATNAKAR SWAIN	ID	MED210163399
Age & Gender	50Y/MALE	Visit Date	09 Nov 2024
Ref Doctor Name	MediWheel	-	



OPTICAL STORE

#12 LAKSHMI NILAYA, GROUND FLOOR, 2ND MAIN ROAD, VYALIKAVAL, BENGALURU-560003 PH. 9611444957

1) 1	1 0 .	
Name .	cath	akar. Swain	
Age			

Ph 9 3 5 3 8 6 2 8 8 4

Chief Complaints

RE/LE/DOV/Blurring/Burning/Itching/Pricking
Redness/Headache

Past History

DM-Ve

Visual Acuity

	F	RE	L	E
Distance / Near	6	6	6	6 P
With PH				
With Glasses				

Colour V	ision	EENo	mal			
	SPH	RE CYL	AXIS	SPH	CYL	AXIS
Distance	_	-Plan	2-	10.50	-	_
Near	. ~		App	H.50		
				N6	LRBJ	

Advise

RANGE KUMAT A.R.H. L. (Consultan Obtemetrist) T. Reg. No. 051619

Patient Name	Rathakar swain	Date	g-11-24 meda	
Age	SOY	Visit Number	experts who ca	
Sex	male	Corporate	medquheel	

GENERAL PHYSICAL EXAMINATION

Identification Mark:

Height: The Ibb Cm cms

Weight: 76.3 kgs

Pulse: 80 /minute

Blood Pressure : 40/20 mm of Hg

BMI

BMI INTERPRETATION
Underweight = <18.5
Normal weight = 18.5-24.9
Overweight = 25-29.9

Chest:

Expiration: 97 cms

Inspiration: 102 cms

Abdomen Measurement : 96 cms

Eyes: Bll pupil @ Ears:

Throat : NAD Neck nodes :) NAD

RS: BLL AFTE

PA: Joff, N7 CNS: JAVA

No abnormality is detected. His / Her-general physical examination is within normal limits.

NOTE: MEDICAL FIT FOR EMPLOYMENT YES / NO

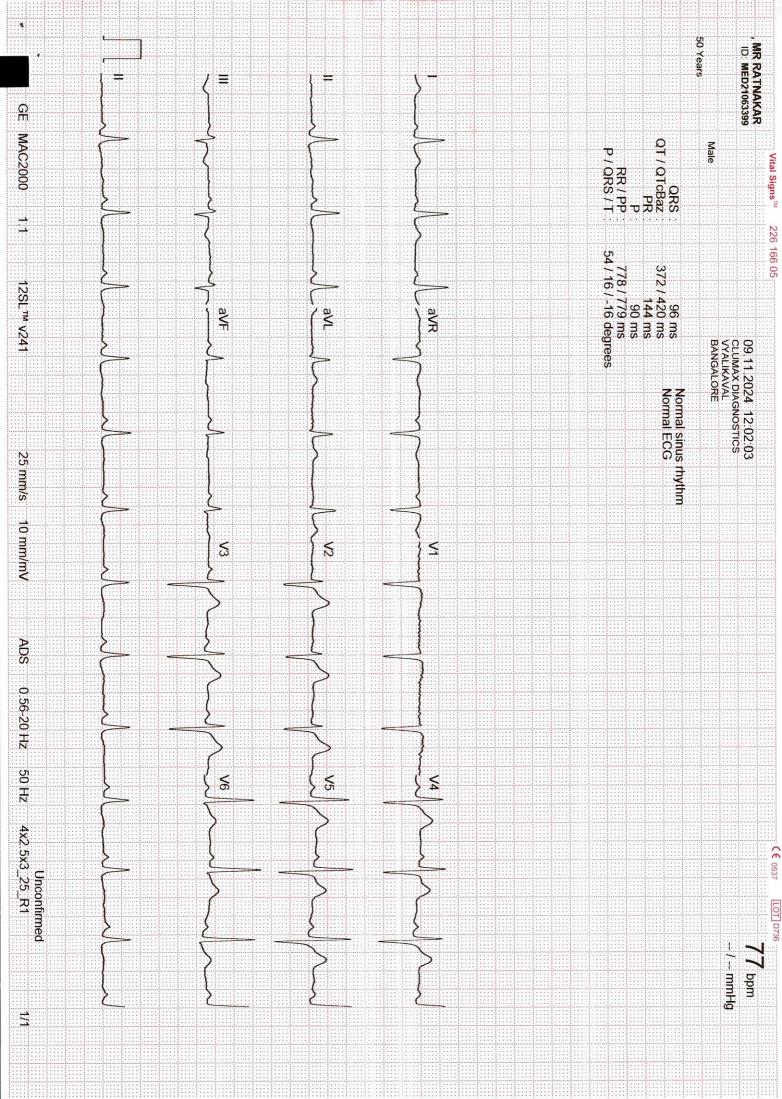
Dr. RITESH RAJ, MBBS General Physician & Diabetologies KMC Reg. No: 85875 CI MAX DIAGNOSTICS

Signature

You can also conveniently view the reports and trends through our app-scan to download the app.



Please produce bill copy at the time of collecting the reports. Request you to provide your mobile number or customer id during your subsequent visits.



Name	Mr. RATNAKAR SWAIN	Customer ID	MED210163399
Age & Gender	50Y/M	Visit Date	Nov 9 2024 8:40AM
Ref Doctor	MediWheel		

X - RAY CHEST PA VIEW

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

Impression:

No significant abnormality detected.

DR. APARNA

CONSULTANT RADIOLOGIST