



DEPARTMENT OF PATHOLOGY VMMC & SAFDARJUNG HOSPITAL NEW DELHI-110029

Directory of tests

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JH/ DOP/ Manual/ SCHM 02 Annexure

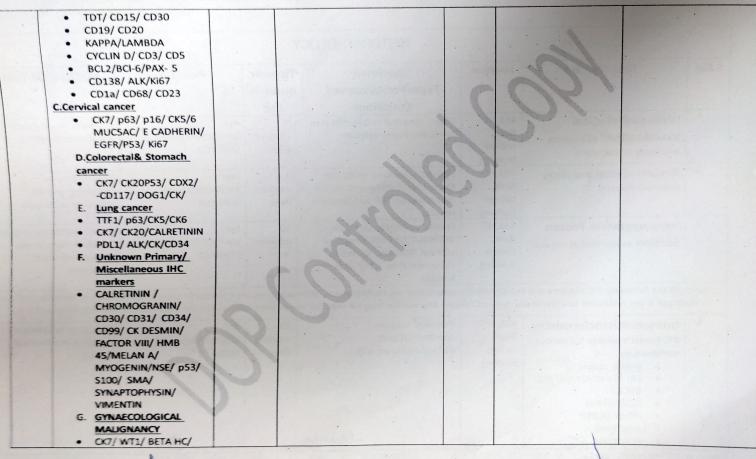
Version No. 3.0

Revision No: 02

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			HISTOPATHOLOG	GY		
S.No	Test Name	Location	Specimen Type/Preservative/ Container	Turn-Ar ound-Ti me	Remarks	Method Of Testing
1.	Histo-pathological examination* of biopsies and surgical specimens	411, 4 th floor, college building	Tissue received in formalin (ten times the tissue volume)	5 working days	Ref: SJH/DOP/Manual/ SCHM 02	Formalin fixation and Paraffin embedding
2.	Review of slides and blocks (external sources)	411, 4 th floor, college building	Stained/unstained slides and tissue blocks along with signed and stamped TRF and previous reports	3 working days	Ref: SJH/DOP/Manual/ SCHM 02	Routine microscopy, Sectioning and IHC wherever applicable
3.	Intra-operative Frozen Section as per clinical request	411, 4 th floor, college building	Freshly operated specimen WITHOUT FORMALIN with or without NORMAL SALINE in clean container ASAP after surgery	30 minutes	Ref:- SJH/DOP/Manual/ SCHM 02	Frozen sectioning with HE, Toluidine Blue; scrape cytology wherever applicable
	All the following IHC markers are in use is not restricted to a particul					
1	Immunohistochemistry IHC Panels available for various malignancies A. Breast cancer • ER/ PR/ HER2NEU/ Ki67 • BRCA1 • E CADHERIN • PDL1/ GCDFP	411, 4 th floor, college building	Biopsies/ surgical specimens/tissue blocks/unstained slides	10 working days	Ref: SJH/DOP/Manual/ SCHM 02	Manual or automated immunohistochemical staining
	B. Lymphoma	the state of the s	Steega			



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н.	-INHIBIN/ AFP/ CALRETININ/ CK20/ VIMENTIN/ ER/ HER2 NEU PROSTATE & TESTICULAR CANCER					
•	AMACR/ PSA/ CK7/ CK20/ AFP/ EMA/ CD30/ CD117		2 (18)(0)	C	Uhi	
1.	NEUROENDOCRINE TUMOR				721	
•	Synaptophysin/ Chromogranin/ NSE/ CK7/ CK20			Cost		
J.	LIVER CANCER CK/ CK7/ CK20/ CA125/ AFP/ p53					
K .	WT1/ CD10/			0		
	CALRETININ/ CK/ CK7/ CK20/ VIMENTIN/ AMACR/ CD34/ KI67/		- 0//			
	p53/ PLAP/ AFP/ OCT3/4/ CD117	~	M.			
	M. BRAIN TUMOURS		THE REAL PROPERTY.			
Spec	cial stains AFB/ Lepra stain/ PAS/ Reticulin/ Masson's trichrome/ Giemsa/ Alcian blue/ Van	411, 4 th floor, college building	Biopsies/ surgical specimens/tissue blocks/unstained sli	des 5 working days	Special stains to be done at the discretion of the Reporting faculty and Unit In-charge (Histopathology).	As per department protocols
	Gieson/ Perl's Prussian blue/ Congo Red/ Toluidine blue/ Cresyl	ved by: Dr Mukul Si	ingh Approved	reegg	Application of any special stain requires mandatory submission	Document Type: Controlled

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	blue				of blocks/ unstained extra slides for corresponding H E staining	
			CYTOPATHOLOG	Y		
6.	FNAC(Fine needle aspiration cytology)	557-A, 5th floor, New OPD Building	Material aspirated from palpable lesions through fine needle. Preservative: None (Air dried)	3 working days	For FNAC procedure and further handling, standard operating procedures of the Department of Pathology will be followed Reference: SJH/DOP/Manuals/ SCHM 02	With plunger and need Aspiration or Non-aspiration
7.	Fluid cytology	410, 4th floor, college building	Pleural/ascitic/peritoneal/peric ardialFluid/synovial/BAL/CSF Preservative: NIL CONTAINER: STERILE PLASTIC CONTAINER	3 working days	Specimen Must be sent to the laboratory within 30 minutes of	All specimens to be accompanied by duly fill signed and stamped TRF.
8.	Urine cytology	410, 4th floor, college building	Urine(3 day) Preservative: NIL CONTAINER: STERILE PLASTIC CONTAINER	1 working day after receipt of third day urine sample	collection. Date and time of fluid collection must be mentioned on TRF	All specimens to be accompanied by duly filled, signed and stamped TRF.
9.	Intra-operative scrape cytology Or Dr Meetu Agrawal Reviewe	410, 4th floor, college building	Biopsies & Surgical specimens	30 minutes after receipt of specimen	The scrape cytology specimen must be pre-informed to the Histopathology Unit/Reporting faculty at	All specimens to be accompanied by duly filled signed and stamped TRF.

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	hand to have		1965		Extension No 3063-64	
10.	Gynaecological Cytology (Conventional)	410, 4th floor, college building	Pap smears	4 working days	immediately spray fixed with Cytospray which is available in the Gynaecology OPD. They must be wrapped and placed in suitable transportation box once they are completely dried. No blood soiling of the wrapping paper or box should be	All specimens to be accompanied by duly filled, signed and stamped TRF.
11.	Gynaecological Cytology (LBC)	410, 4th floor, college building	Pap smears	7 working days	present The LBC sample must be collected in the appropriate container as per LBC collection guidelines for LBC technology	
12. 0	ell Block	410, 4th floor, college building	Fluids/blood	5 working days	Preparation under discretion and Supervision of Technical Manager and Reporting faculty	
13. Re	view of slides	410, 4th floor, college building	Stained/unstained slides	3 working days	Refer to SJH/DOP/ Manual/ SCHM 02	All specimens to be accompanied by duly filled, signed and stamped TRF.

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14. S	Special stains AFB/ PAS/ Giemsa/ Alcian blue/ Perl's Prussian blue/ Toluidine blue/ Cresyl blue	410, 4 th floor, college building	Aspirate/fluid/unstained smears	3 working days	Preparation under discretion and Supervision of Technical Manager and Reporting faculty	
	 Burn and Plastic lab- Main lab- Special hematology- Pathology Lab: New Emerge 	oom No 154, oom No 3, Bu oom No 209, oom No 212, ency Block- R	, 1 st Floor, OPD Building, Safda urns-Plastic Building, Safdarjur , 2 nd Floor, Old Causality Buildi , 2 nd Floor, Old Causality Build	arjung Hospital ng Hospital ing, Safdarjung ding, Safdarjung Emergency Buil	Hospital Bernald Hospital Hospital Hospital	
15.		All Labs S.No 1-6 above	PERIPHERAL BLOOD CONTAINER: PURPLE TOP VACUTAINER/ EDTA/2 ml	1 day in all labs; 2 hrs (NEB)	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/Manuals/ SCHM 02 to be referred	Automated 3 part/ 5 p Hematology Analyzers
16.	CBC with Peripheral smear (PS)	All Labs S.No 1-6 above	PERIPHERAL BLOOD CONTAINER: PURPLE TOP VACUTAINER/ EDTA/2 ml	1 day in all labs; 5 hrs in NEB	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Automated 3 part/ 5 p Hematology Analyzers Microscopic Examinat
17.	Reticulocyte count	CCC, Special Hematolo	PERIPHERAL BLOOD CONTAINER: PURPLE TOP VACUTAINER/ EDTA/2 ml	1 day	Specimen to be collected as marked on the vacutainer	Automated 5 part Hematology Analyzers Special staining, and

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					Manuals/ SCHM 02 to be referred	
18.	parusite.	All Labs S.No 1-6 above	PERIPHERAL BLOOD CONTAINER: PURPLE TOP VACUTAINER/ EDTA/2 ml	Malarial Parasite positive: 2 hrs in all labs	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Microscopic Examination
19.	High Pressure Liquid Chromatography	Spl Hematolo gy Lab	PURPLE TOP VACUTAINER/ EDTA/ 2 ml	1 day	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Distribution of analytebetween a mobile (eluent) and stationary phase (packing matreial)
20.	Manual platelet count	ccc	PERIPHERAL BLOOD CONTAINER: PURPLE TOP VACUTAINER/ EDTA/2 ml	1 day	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Manual examination by Neubauer Chamber Counting Method
21.	Coagulation studies (PT, APTT, INR)	Pathology lab (NEB), Special Hematolo gy lab	PERIPHERAL BLOOD CONTAINER: BLUE TOP VACUTAINER/ Sodium Citrate/ Upto mark on vacutainer	Within 24 hours; 4 hrs in NEB	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Automated analyzer

Prepared by: Dr Meetu Agrawai

Reviewed by: Dr Mukul Singh

Approved by Dr Sunil Ranga

Issued By: Dr Meetu Agrawal

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22. ESF	2	ccc	PERIPHERAL BLOOD	Within 24	Specimen to be	Manual Measurement by
			CONTAINER: PURPLE TOP VACUTAINER/ EDTA/2 ml	hours	collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM.02 to be referred	Westergreen method
23. U	Jrine (Routine& microscopy)	CCC, Pathology Lab (NEB)	Preservative: NIL CONTAINER: STERILE PLASTIC CONTAINER	Within 24 hours; 3 hrs in NEB	Midstream clean catch sample/ catheterization specimen	Qualitative testing for Physical characteristics (pH, specific gravity, colour/ appearance) / Protein/ Sugar/ Bile salts, Bile Pigments, Leucocyte Esterase/ Microscopic Examination for casts crystals and cells
24.	24- HOUR urinary protein	Main Lab	Preservative: NIL CONTAINER: STERILE PLASTIC CONTAINER OF AT LEAST 2 LITRE CAPACITY	Within 24 hours	24 hour urinary sample as per instructions of the laboratory	Estimation of urinary protein by Esbach'salbuminometer
25.	Body Fluid cell count	NEB	Preservative: NIL CONTAINER: STERILE PLASTIC CONTAINER	2 hours	Body Fluid collected by clinical departments and sent to the laboratory	All specimens to be accompanied by duly filled, signed and stamped TRF.
26.	Bleeding Time Clotting Time	CCC	Fresh Finger prick sample	2 hrs	Fresh finger prick sample collected in Room No 19, OPD Building by Laboratory technicians of Department of Pathology	Manual procedure

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27. Urir			110.02	Effecti	ve Date: 01/07/2023	
27. Urir	ne protein/ sugar	Gynae lab	French			
20 0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Freshly voided urine sample for patients under Antenatal care	30 minutes	Freshly voided urine sample for patients under Antenatal care	Qualitative analysis for presence of urinary protein and Sugar
(Ant	eening for Anemia/ Screening noglobin in ANC patients tenatal care)	Gynae lab	Fresh Finger Prick	30 minutes after sample submissio n	Fresh Finger Prick Sample collected in Room No 154, OPD Building by laboratory technicians of Department of	Hemiglobincyanide Method
	e Marrow Aspirate- roscopic Examination	Spl Hematolo gy	BONE MARROW ASPIRATE CONTAINER: PURPLE TOP VACUTAINER/ EDTA/2 ml OR DIRECTLY PREPARED SLIDES FROM ASPIRATE	2 working days	Pathology Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Microscopic Examination
O. Bone	e marrow Biopsy	Spl Hematolo gy	Bone marrow biopsy specimen in 10% formali	6 working days	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Microscopic examination
		Pathology Lab (NEB); Special Hematolo gy Lab	Peripheral Blood or Bone marrow sample in EDTA (Purple cap)/2 ml	1 working day	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Immunophenotyping by 5 colour/ 6 colour flow cytometer

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32	FSH/ LH/ PROLACTIN/ ESTROGEN/ PROGESTERONE TESTOSTERONE/ PSA/ DHEAS/ INSULIN 17-OHP Anti Mullerian Hormone (AMH)	Main Lab	YELLOW TOP VACUTAINER/ SERUM GEL/ 4 ml	3 working days	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/Manuals/ SCHM 02 to be referred	
33	CORTISOL 1-25 (OH) ₂ VIT D pTH(Parathyroid Hormone) GH (Growth Hormone)	Main Lab	YELLOW TOP VACUTAINER/ SERUM GEL/ 4 ml	3 working days	Specimen to be	Chemiluminescence& ELISA
34	THYROID FUNCTION TESTS T3/T4/ TSH Anti TPO antibodies THYROGLOBULIN PTH GROWTH HORMONE Free T3, Free T4	Main Lab	YELLOW TOP VACUTAINER/ SERUM GEL/ 4 ml		Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/Manuals/ SCHM 02 to be referred	Chemiluminescence & ELISA
35	CA-125 CA 15.3 CA 15.9 CA19.9 CEA/ Alfa-feto-protein (AFP)/ BETA HCG/PSA	Main Lab	YELLOW TOP VACUTAINER/ SERUM GEL/ 4 ml	3 working days		Chemiluminescence& ELISA
36	Glycosylated Hemoglobin HBA1C	Main Lab	YELLOW TOP VACUTAINER/ SERUM GEL/ 4 ml Approved by: Dr Sunil Ranga	1 day		Antigen Antibody interaction

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					collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	
37	AUTOIMMUNITY PROFILE ANA ds DNA Anti- Cardiolipin antibody	Main Lab	YELLOW TOP VACUTAINER/ SERUM GEL/ 4 ml	2 weeks	Specimen to be collected as marked on	ELISA
38	IMMUNOGLOBULIN PROFILE • (Serum IgA/ IgG/ IgM) • Serum IgE	Main Lab Spl Hemat	YELLOW TOP VACUTAINER/ SERUM GEL/ 4 ml	2 weeks	the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	 Radioimmunoas &Nephelometry (IgA/ IgG/ IgM) Chemiluminescen & ELISA (IgE)
39	Serum FERRITIN	Main Lab	YELLOW TOP VACUTAINER/ SERUM GEL/ 4 ml	2 weeks	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Chemiluminescence & ELISA
40	Serum Complement levels (C3,C4)	Spl Hematolo gy	YELLOW TOP VACUTAINER/ SERUM GEL/ 4 ml	2 weeks	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/SQP/	Radioimmunoassay & Nephelometry Bocument Type: Controlle

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					Manuals/ SCHM 02 to be referred	
41	ABDR[HLA typing]	Molecular lab	Peripheral Blood or Bone marrow sample in EDTA (Purple cap)/2 ml	1 week	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Fully Automated HLA Typing
42	Miscellaneous POCT tests Troponin I Procalcitonin NT-Pro BNP CK-MB CRP D-Dimer	Main lab Emergenc y Lab	Peripheral Blood Smear in EDTA Vacutainer (Purple Top vacutainer) for Troponin I, Procalcitonin & NT-Pro BNP. In Yellow Top (Plain/ Gel based vacutainer) for C reactive Protein and Trisodium Citrate (Blue Top vacutainer) for D-Dimer	1 day in main Lab; 2 hours in Emergenc y Lab	Specimen to be collected as marked on the vacutainer For specimen Collection guidelines SJH/DOP/ Manuals/ SCHM 02 to be referred	Immunofluorescence technology with standard F analyzer SD Biosensor

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