

12. ANNUAL REPORT (For the year 2020)

DEPARTMENT OF PATHOLOGY

FACULTY

Director Professor and Head: Dr. Sunita Sharma

Director-Professors:

**: Dr. Kiran Agarwal
: Dr. Shilpi Agarwal
: Dr. Shailaja Shukla
: Dr. Anita Nangia**

Professors:

**: Dr. Smita Singh
: Dr. Preeti Rai**

Associate Professors : Dr. Vandana Puri

**: Dr. P. Lalita Jyotsna
: Dr. Priti**

Assistant Professors:

**: Dr. Jenna Bhattacharya
: Dr Kavita Gaur (on contract)
: Dr. Deeksha Singh (on contract)
: Dr. Jyoti Garg (on contract)**

Senior Specialist: NA

Medical Officer: NA

Members who have left during the period: NIL

Research Schemes /Projects :

(Divide in subheadings: funded, non-funded, projects other than research projects.

For funded & non -funded projects ensure IEC approval should have been taken).

Name of investigators	Project Incharge	Title of the Project scheme	Name of the funding agency	Budget in Rs.
Research projects with funding				
Dr. Shailaja Shukla Dr. Sunita Sharma	Dr.Shailaja Shukla	RT- PCR for detection of common Fusion Transcripts in Childhood ALL	Deptt. Of Health Research	30 lakhs
Non-funded projects				
Dr ManjuPuri Dr SushmaNangia Dr Ravinder Kaur Dr Manoj Jais Dr Kiran Agarwal	AIIMS	“Surveillance of Covid in pregnancy (SCOPE) standardising data collection and protocol for improving the quality of evidence on clinical characteristics and outcome of covid- 19 pregnancy.	Non Funded	Nil
Dr. Shailaja Shukla Dr. Sangeeta Pahuja Sindhvani	ICMR	Co Investigator in ICMR led trial: “A Phase II, Open Label, Randomized Controlled Trial to Assess the Safety and Efficacy of	-	-

		Convalescent Plasma to Limit COVID-19 Associated Complications in Moderate Disease". In 2020.		
Dr.VandanaPuri Dr.Shivalika Khanduja Dr. Sunita Sharma Dr. Shailaja Shukla Dr.Kavita Gaur	Dr.Vandana Puri	Effect of lifestyle on semen quality.	None	-
Dr.Vandana Puri Dr. Sunita Sharma Dr. Shailaja Shukla Dr.Kavita Gaur	Dr.Vandana Puri	Diagnosis lies in eyes of cytologist when PAP clinched leukocyte-spermia as part of pathologist's evaluation of male infertility.	None	-

Projects other than research projects: NIL

STS PROJECTS:

S.N o.	UG Student	Topic	Supervisor	Co-supervisor
1	Dr .Shivalika Khanduja	Association of Tobacco, Caffeine, Alcohol and Cell phone in trousers pocket with Semen quality.	Dr. Vandana Puri	Nil

Teaching : Postgraduate thesis submitted and accepted by University of Delhi

S.No.	PG Student	Topic	Supervisor	Co-supervisor
1.	Dr. Jeevitha G.	THE ROLE OF SERUM CYSTATIN-C AND BETA-2 MICROGLOBULIN AS EARLY MARKERS OF RENAL	Dr. Sunita Sharma, Dir. Prof (HOD) Deptt. of Pathology	Dr. Jagdish Chandra, Dir. Prof. Deptt. Of Pediatrics

		DYSFUNCTION IN CHILDREN WITH BETA THALASSEMIA HEMOGLOBINOPATHIES.		
2	Dr. Nazma K.	“STUDY OF IMMUNOHISTOCHEMICAL EXPRESSION OF CD44 AND ITS ASSOCIATION WITH EPITHELIAL MESENCHYMAL TRANSITION MARKERS (E-CADHERIN, VIMENTIN) IN PRIMARY HEAD AND NECK SQUAMOUS CELL CARCINOMA”	Dr. Kiran Agarwal Dir. Prof. Deptt. of Pathology	Dr. Sunil Kumar Dir. Prof & (HOD) Deptt. of ENT,
3	Dr. Vishakha Arya	STUDY OF PROGRAMMED DEATH LIGAND-1 EXPRESSION IN BREAST CANCER	Dr. Shilpi Agarwal, Dir. Prof. Deptt. of Pathology	Dr. Manoj Andley Dir. Prof, Deptt. Of Surgery
4	Dr. Shinjini Choudhury	A STUDY OF EPSTEIN BARR VIRUS INFECTION AND ITS ASSOCIATION WITH P53 EXPRESSION IN LYMPHOMAS	Dr. Shailaja Shukla Dir. Prof. Deptt. of Pathology	Dr. Shaji Thomas, Dir. Prof., Deptt. of Surgery
5	Dr. Vaishali Yadav	STUDY OF t(12;21)/ETV6-RUNX1, t(1;19)/TCF3-PBX1, t(4;11)/MLL-AF4 IN PEDIATRIC ACUTE LYMPHOBLASTIC LEUKEMIA BY FLOURESCENCE- IN –SITU- HYBRIDISATION	Dr. Anita Nangia, Dir. Prof. Deptt. of Pathology	Dr. Jagdish Chandra, Dir. Prof. Deptt. Of Pediatrics
6	Dr. Nikita Agrawal	EVALUATION OF PLASMA VON WILLEBRAND FACTOR LEVELS IN HEALTHY BLOOD DONOR POPULATION AND ITS ASSOCIATION WITH BLOOD GROUP	Dr. Sangeeta Pahuja Sindhvani , Prof. Deptt. of Pathology	Dr. Sunita Sharma, Dir. Prof (HOD) Deptt. of Pathology

Organizing Training Course/Conferences/Symposia/Seminars/Workshops/CMEs:

S.No.	Faculty Member	Organizer	Name of the Conference, Venue & Date
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1	Dr. Sunita Sharma (Dir. Prof. HOD)	Deptt. Of Pathology, LHMC	Guest lecture by Dr. Vineeta Batra ,Director Professor ,GB Pant Hospital N. Delhi, Interpretation of Kidney biopsy on 15.10.2020
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Publications: 2020

1. Chhikara A, **Shukla S, Sharma S**, Chandra J. Clinical morphology & Immunophenotypic finding in Leukemia, A study from a tertiary care hospital. Iranian J. Of Ped. Hemat & Oncol 10(3): 2020; 136-143
2. **Gaur K, Puri V, Shukla S, Sharma S**, Suman S, Singh R. Finish before the start: Analyzing preanalytical sample errors in a tertiary care hematology laboratory. Indian J PatholMicrobiol2020;63:435-40.
3. **Garg J**, Meena R, **Shukla S, Sharma S**, Choudhary R. Abnormal semen parameters among males in infertile couples: a cross sectional study from a tertiary care centre. Int J ReprodContraceptObstet Gynecol. 2020;9(8):3398-3401.
4. Meena R, **Nangia A, Sharma S**, Chandra J. Serum levels of vascular Endothelial growth and its receptor newly diagnosed Pediatric Acute Lymphoblastic Leukemia. Ind J of Hemat & Blood Transfus , Feb2021.
5. **Agarwal K**, SinghS, Anand A. P53 and Nuclear Unrest: Biological Driver's Suggesting Poor Prognosis in Anaplastic Wilm'sTumor. Journal of PediatricNephrology 2020;8(3):1-5.
- 6 . **Agarwal K**, Anand A, Suman N, Singh S .Teratoid Wilms Tumor: Case Report and Review of Literature. Journal of Pediatric Nephrology 2020;8(4):1-9.
7. Jaiswala N, Puri M , **Agarwal K , Singh S**, Yadav R , TiwaryN ,TayalaP. COVID-19 as an independent risk factor for subclinical placental dysfunction . European Journal of Obstetrics & Gynecology and Reproductive Biology 2021;259:7–11.
8. **Singh S**,Anand A, **Agarwal K**, GovindswamyJ,MeenaS K .Plasmablastic Multiple Myeloma Masquerading Leukemia in an Immunocompetent Patient. JDiagn Case Rep, 2020 ; 1(2): 2-4.

- 9 .**Singh S**, Garg J, Sharma K, **Agarwal K**. Intra-abdominal Solitary Myofibroma in a Child: A Rare Case Report. Journal of Clinical and Diagnostic Research 2021 ;15(1): ED01-ED03.
10. **Singh S**, Srivastav S, **Agarwal K**. Neonatal Autopsies with Heart Disease: A Challenge for Pathologist. Journal of Clinical and Diagnostic Research. 2020 ;14(8): ED06-ED08.
11. **Singh S**, Chhikara A, Anand A, **Agarwal K**, Nangia S, Somnath S. Peliosis Hepatis: A Rare Cause of Hepatomegaly in a Newborn. OSP J Health Car Med 2020;1(2):110.
12. Garg T, Malik M, Rubina Jassi R, Chander R, **Agarwal S**, eCollection 2020. Atypical Vascular Lesions: Postmastectomy Postradiation, Skinmed. 2020 Jan 1;18(1):58-60.
13. Goel I, Anand R, R. C. S. **Agarwal S**, Evolving Concepts in Ultrasonography of Pediatric Intussusceptions: Unequivocal Differentiation of Ileocolic, Obstructive and Transient Small-Bowel Intussusceptions. Ultrasound Med Biol. 2020 Mar; 46(3):589-597.
- 14 . Singh B. K, Saha S, **Agarwal S**, Malignant Brenner tumour of the ovary manifesting as distal intestinal obstruction and perforation. BMJ Case Rep. 2020 Jun 11;13(6):e235394.
15. Sharma A, **Gaur K**, **Puri V**, **Shukla S**. Sickle cell disease presenting in the third trimester of pregnancy: Delayed detection heralding a public health problem? Indian J Public Health 2020;64:93-5.
16. Singh GB, Yvette War G, **Shukla S**, Kaur R, Malhotra S, Kumar S. The role of Helicobacter Pylori and laryngopharyngeal reflux in recurrent tonsillitis. Int J Pediatr Otorhinolaryngol. 2020;138:110376. doi: 10.1016/j.ijporl.2020.110376. Epub 2020 Sep 9. PMID: 33152967.
- 17 .Kumar P, Sanke S, Chander R, **Nangia A**. Becker's Nevus co- existing with morphea: A Rare case report Skin appendage Disorders: 7(1): 1-4, October 2020.
- 18 . Aasha B, **Nangia A**, **Sharma S**, Chandra J. Flowcytometric cytokine profiling of T-Lymphocytes in Pediatric Aplastic Anaemia. Annals of Pathol and lab. Med.: Poi:10.21276/apalm.2727 April 2020.
- 19 . **Singh S**, **Gaur K**, Puri A . Mammary Fibrocystic Change in a Pre-Pubertal child- A Case Report with a Histopathological Perspective, Fetal and Pediatr Pathol. 2020;1-5
- 20 .**Singh S**, Garg J, Sharma K, Agarwal K. Intraabdominal solitary myofibroma in a child: A rare Case Report. Journal of clinical and diagnostic Research 2021;15(1): ED01-ED03.

21 . **Singh S**, Sharma K, Kumar V, Yadav P. An unusual presentation of leiomyosarcoma posing a diagnostic dilemma: A case report. Journal of Clinical & Diagnostic Research, 2020;14(12):ED04-ED06

22. **Chatterjee P**, Mondal P, **Sharma S**, Chandra J, Histoplasma Capsulatum in Peripheral Blood Smear, Ann Hematol Oncol.2020;7(6): 1305

Books / Chapters contributed:

Books

Book name	Edition	Author
Complete review of Pathology and hematology	5th ISBN NO 978-93-86310-41-5	Dr. Vandana Puri
Book chapter : Fibrohistiocytic tumors, in Book Fibroblastic /Myofibroblastic tumors of Childhood	Ist ISBN No: 978-6138917717 (Scholars Press)	Dr. Priti Chatterjee

National and International Conferences / Symposia / Seminars / Workshops / CMEs attended by the Faculty Members.

National Conferences attended

S.No.	Name & Designation of the Participant	Role	Organiser	Name, Venue & Date
1.	Dr. Sunita Sharma (Director Professor & HOD) Dr.Shailaja Shukla (Director Professor) Dr. P. Lalita Jyotsna (Asso. Prof.)	Participant	Indian Society of Haematology & Blood Transfusion CMC Vellore	<i>61st Annual Conference of the (HAEMATOCON Virtual 2020) held on November 21st – 22nd, 2020</i>

2.	Dr. P. Lalita Jyotsna (Associate Professor	Participant	PGIMER, Chandigarh	<i>4th European Haematology Association- ISHBT tutorial by at Hotel Hyatt Regency, Chandigarh 28th-29th February, 2020</i>
3.	Dr Sunita Sharma (Director Professor & HOD)	Speaker	Delhi society Of Haematology	Webinar Approach to eosinophilia on , Nov 20.
		Faculty	SLM, LHMC	Webinar on Organ Donation
	Dr Kiran Agarwal (Director Professor)	Speaker	DNB	Web seminar
4.	Dr. Anita Nangia (Director Professor)	Participant	Rosche Diagnostics	PDL 1 SP 142InTNBE CDx Assay Interpretation, at Taj Vivanta, Dwarka on
			NBE	MCQ Item writing Workshop at Taj Vivanta, Dwarka, 0 th -11 th March 2021
			Review of Proposals Received under BDTD of DST,	Online, 20 th -21 st Nov.2020

International conferences/CME

S.No.	Name & Designation of the Participant	Role/Topic	Organizer	Name of the Conference, Venue & Date
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1.	Dr. P. Lalita Jyotsna (Associate Professor)	<i>Participant</i>	Rajiv Gandhi Cancer Institute	<i>19th Annual International Conference RGCON- 2020 by at Hotel JW Marriot , Aerocity, New Delhi, 7th-9th February, 2020</i>
2.	Dr. Priti (Associate Professor)	<i>Faculty</i>	Lals Lab.	International update of Renal & Transplantation Pathology IURP 2020, 15 th to 16 th Feb, Radisson Blue Mahipal Pur , New Delhi

Special Achievements of the Staff -:

- **Dr. Sunita Sharma** (Dir Prof. & HOD), Awarded Reviewer certificate of Outstanding contribution in reviewing IJPM in December 2020 .

New facilities added:

- Platelet aggregometry

Representation on Expert bodies / Committees

3. Dr Sunita Sharma

- Reviewer for Indian Journal of Pathology and Microbiology
- Reviewer for Indian Journal of Hematology and Blood Transfusion
- Member Institutional scientific committee

4. Dr. Kiran Agarwal

- Technical Expert to HSCC for equipments for AIIMS Raebareli.

5. Dr Shilpi Agarwal – :

- Executive member IAC

- Treasurer Delhi Chapter IAC
- Reviewer of Thesis for National Board of Examination
- Examiner , Moderator, Reviewer for National Board of Examination Science and technology.

6. Dr. Shailaja Shukla- :

- Member of Specialist Board in Pathology in National Board of Examinations.
- Executive Member, Indian Academy of Cytologists.
- Treasurer, Delhi Society of Haematology.

7. Dr. Anita Nangia

- Reviewer for Indian Journal of Pathology and Microbiology
- Reviewer for Indian Journal of Hematology and Blood Transfusion
- Examiner , Moderator, Reviewer for National Board of Examination Science and technology
- Expert for Reviewing Proposals under BDTD of Department of Science and Technology
- Member , Kaya- Kalp Committee, KSCH under MOHFW
- Reviewer of Thesis for National Board of Examination
- Reviewer of Thesis for BABA Faridkot University (BFUHS) Punjab.

8. Dr. Vandana Puri

- Nominated as Technical Expert for Inspection of Blood Banks for licensing by Drug Controller General of India.

9. Dr. Priti

- Medical Equipment and Hospital planning (MHD) , Bureau of Indian Standards , Govt. Of India.
- Reviewer for The Permanente Journal.

