

NAME: Dr. Saumya Shukla

DESIGNATION: Associate Professor in Pathology

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EDUCATION QUALIFICATIONS:

Degree Awarded	Institute/University	Year
MBBS	Kasturba Medical College, Mangalore/Manipal University	April 2007
MD (Pathology)	Kasturba Medical College, Mangalore/Manipal University	April 2010

MEMBERSHIPS OF NATIONAL/INTERNATIONAL BODIES:

- **Indian Medical Association** (Life member UP/10390/137/766/173569/CL)
- **Indian Academy of Cytology** (Life member LS 238/13)
- **Indian Academy of Pathologists and Microbiologists**(OL/2014-18/1112)
- **Indian Society for Study of Lung Cancer** (Life member 394)

AWARDS AND ACHIEVEMENTS:

- Distinction in Anatomy and Biochemistry in 1st year of MBBS
- Awarded the Fellowship of the Academy of General Education (FAGE), Manipal Karnataka (Reg. no.12701)
- **Second prize for poster presentation** at CYTOCME 30th July 2011, Era's Medical College and Hospital, Lucknow for poster titled "Cytodiagnosis of Gastrointestinal Stromal Tumour in Ascitic Fluid"
- **First prize for poster presentation** at Annual conference of UP Chapter of Indian Association of Pathologists and Microbiologists UP PATHCON 2014, 11th -13th October, 2014, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow for poster titled "Polysomy of Anaplastic Lymphoma kinase (ALK) gene in non small cell lung carcinoma (NSCLC): A case report"
- **Best oral paper presentation** at National conference on Advances in Cancer Diagnosis and Research, 9th-11th February 2015, Era's Lucknow Medical College and Hospital, Lucknow for paper titled "The value of Cytology in Diagnosis of Pulmonary Adenocarcinoma".
- **Best oral paper presentation** at 4th SACH Conference, 17th and 18th September 2016, BPKIHS, Dharan, Nepal for paper titled "Fluorescence in situ hybridization for the detection of Anaplastic Lymphoma kinase gene re-arrangement in non small cell lung carcinoma: A tertiary care centre study"
- **Second prize for poster presentation** at 6th Annual Conference of South Asian academy of Cytopathology and Histopathology (SACH '18), 19th – 21st January 2018, Rajendra Institute of Medical Sciences, Ranchi, Jharkhand, India for poster titled "PD-L1 expression in Adenocarcinoma Lung and its association with Driver Mutations".

PUBLICATIONS:

1. **Shukla S**, Kini H. Iniencephaly-A case report. Indian Journal Of Forensic Medicine And Toxicology.2013;7(1):251-53

2. **Shukla S**, Awasthi NP, Husain N. Papillary variant of medullary carcinoma. *Indian J Pathol Microbiol.* 2014 Jan-Mar;57(1):151-2.
3. **Shukla S**, Malhotra KP, Awasthi NP, Husain N, Singh SK. Intraventricular tanycytic ependymoma: An uncommon fibrillary variant. *Neurol India.* 2014 Mar-Apr;62(2):200-1
4. Malhotra KP, **Shukla S**, Gupta A, Awasthi NP, Husain N, Dayal IR. Penile Neurilemmoma: Utility of Fine Needle Aspiration Cytology in diagnosis of a rare entity. *J Cytol.* 2014 Jul;31(3):176-8
5. **Shukla S**, Awasthi NP, Husain N, Anand N. Cytodiagnosis of Sacral Chordoma. *J Nepal Med Assoc* 2014;52(196):1014-16
6. Malhotra KP, Husain N, **Shukla S**, Jain P, Sonkar AA. Pseudosarcomatous proliferative myositis of the sternocleidomastoid: a case report *Diagn Cytopathol.* 2014 Dec;42(12):1096-8
7. Kori C , Malhotra KP, Vamsidhar P N V, Gupta S, **Shukla S**, Kumar V. Undifferentiated High Grade Pleomorphic Sarcoma of the Chest Wall: A Rare Entity. *Sch J Med Case Rep* 2015; 3(3):267-270
8. Ilias LM, Anupama P, Pai MR, **Shukla S**, Gautam K, Deeshma T. An autopsy study of the heart with an emphasis on the coronaries. *Ann Med* 2015; 2:288-300
9. Vijay V, Srivastava N, Yadav YK, Srivastava S, **Shukla S**. Chronic Pyogenic Osteomyelitis of Rib: A Case report in a Pediatric Patient. *Sch. J. App. Med. Sci.* 2015;3(3D):1307-8
10. Malhotra K, Kulshreshtha D, **Shukla S**, Husain N. ENL Developing Ten Years After Leprosy Treatment Masquerading as Atypical-Mycobacterial Infection. *QJM.* 2015 Nov;108(11):905-6
11. Vijay V, Srivastava N, Rastogi A, Kumar G, Srivastava S, **Shukla S**. Multifocal Tubercular Osteomyelitis: A Case Report in an Immunocompetent Patient. *Sch. J. App. Med. Sci.* 2015;3(3H):1590-93
12. Vijay V, Verma V, Yadav YK, **Shukla S**. Isolated Cysticercosis of the Peroneus Longus Muscle: A Rare Pseudotumour. *Sch J Med Case Rep* 2015; 3(5):382-384.
13. Kori C, **Shukla S**, Jain N, Paryani J, Gupta S, Kumar V. Intraparotid Schwannoma in a Young Adult: A Rare Entity. *Sch J Med Case Rep* 2015; 3(5):426-429
14. Vijay V, Srivastava N, Kumar G, Yadav YK, Srivastava S, **Shukla S**. Isolated Tubercular Osteomyelitis of Calcaneum: A rare Case Report. *Sch. Acad J. Biosci.* 2015;3(6):515-17
15. **Shukla S**, Awasthi NP, Anand N, Husain N, Kori C, Kumar V, Vijay V, Malhotra KP. Recurrence of Gastrointestinal Stromal Tumour-A cytological diagnosis. *Sch J Med Case Rep* 2015; 3(6):512-514.
16. Vijay V, Srivastava N, Yadav YK, Kumar G, **Shukla S**. Infiltrating Angiolipoma around ankle: A Case Report. *Sch. J. Med Case Rep.* 2015;3(7):598-601
17. Malhotra KP, **Shukla S**, Husain N, Singhal A. Proliferating Trichilemmal Cyst With Nodal Enlargement Mimicking Metastatic Squamous Cell Carcinoma. *Indian J Dermatol Venereol Leprol* 2015;81(4):418-20.
18. Vishnoi JR, Kori C, **Shukla S**, Gupta S, Kumar V, Rajan S. Giant fibrosarcoma of anterior abdominal wall: a rare case report and review literature. *Int J Res Med Sci.* 2015 Sep;3(9):2488-2491.
19. **Shukla S**, Awasthi NP, Singh P, Husain N. CD20 negative primary diffuse large B cell lymphoma of breast: Role of Pax-5. *J Can Res Ther* 2015;11:658-60.
20. **Shukla S**, Awasthi NP, Singh P, Husain N, Ojha BK. Gliosarcoma with leiomyomatous differentiation: A case report with an emphasis on histogenesis. *J Can Res Ther* 2015;11:917-9

21. **Shukla S**, Malhotra KP, Husain N, Gupta A, Anand N. The utility of cytology in the diagnosis of non-small-cell lung carcinoma-adenocarcinoma: A tertiary care centre study. *J Cytol.* 2015 Jul-Sep;32(3):159-64
22. Anand N, **Shukla S**, Husain N. Pseudomyxoma Peritonei a Classical Case with Cytological and Histopathological Co-relation. *International Journal of Contemporary Pathology.* 2015;1(2): 5-7.
23. Khurana R, Mishra H, Malhotra KP, **Shukla S**. Carcinoma of the oesophagus, with multiple cutaneous metastases. *BMJ Case Reports.* 2015;2015:bcr2015211653. doi:10.1136/bcr-2015-211653.
24. Ilias LM, Pai MR, **Shukla S**, Ponniah A, Gautam K, Vijayan P. Cardiac conduction system- A detailed study in 46 cases of sudden death. *Journal of Pathology of Nepal.* 2015;5:709-16.
25. Malhotra KP, **Shukla S**, Singhal A. Fatal fungal nephropathy in an immunocompetent host: an interesting case. *BMJ Case Rep* 2015. doi:10.1136/bcr-2015-212244
26. **Shukla S**, Malhotra KP, Husain N. Epidermal Growth Factor receptor protein expression and mutation in adenocarcinoma lung: A tertiary centre study(*Abstract*). *Indian J Pathol Microbiol.* 2015;58(1):S138.
27. Kori C, Kumar V, Gupta S, Vishnoi J, Paryani J, **Shukla S**. Monophasic Synovial Sarcoma of Mandible: A Rare Entity. *Sch J Med Case Rep* 2015; 3(4)319-322
28. Pawar SS, Kori C, Paryani J, **Shukla S**, Gupta S, Kumar V. An adult case of paratesticular spindle cell rhabdomyosarcoma: rare phenomena. *Sch J Med Case Rep* 2015; 3(8):724-728
29. Kori C, Vishnoi J, Kumar PD, Thakur SS, Gupta S, Kumar V, **Shukla S**. Primary non hodgkins lymphoma of mandible: a rare entity. *Sch J Med Case Rep* 2015; 3(7):635-638
30. Prakash V, Kant S, Mishra AK, Verma AK, **Shukla S**, Yadav S. Pulmonary actinomycosis masquerading as a malignant lung tumor. *CHRISMED J Health Res* 2015;2:298-301
31. Malhotra KP, **Shukla S**, Husain N, Bhatt ML. Combined Squamomelanocytic Tumor of the Plantar Surface of the Foot: Histogenetic Insights. *Am J Dermatopathol.* 2016 May;38(5):396-7
32. Husain I, **Shukla S**, Soni P, Husain N. Role of Androgen Receptor in Prostatic Hyperplasia versus Neoplasia. *J Can Res Ther* 2016;12:112-6.
33. Neyaz A, Husain N, **Shukla S**, Arora A, Verma V. Oropharyngeal Metastasis from Papillary Thyroid Carcinoma: A Rare Event. *Ann Clin Case Rep.* 2016; 1: 1201.
34. Ilias LM, Anupama P, Gautam K, **Shukla S**, Pai MR, Babitha AM, Vijayan P, Sideeque N A, Saleem S, Umasankar P. Morphological changes in the Heart in unrelated deaths. *Journal of Pathology of Nepal.* 2016;6:1021-27
35. Husain N, **Shukla S**, Kant S, Garg R. Anaplastic Lymphoma Kinase Gene Rearrangement in Lung Cancer With Adenocarcinoma Phenotype: A Tertiary Care Centre Study in India(*Abstract*). *Arch Pathol Lab Med.* 2016;140:e113-14.
36. Arora A, Husain N, Bansal A, Neyaz A, Jaiswal R, Jain K, Chaturvedi A, Anand N, Malhotra K, **Shukla S**. Development of a New Outcome Prediction Model in Early-stage Squamous Cell Carcinoma of the Oral Cavity Based on Histopathologic Parameters With Multivariate Analysis: The Aditi-Nuzhat Lymph-node Prediction Score (ANLPS) System. *Am J SurgPathol.* 2017 Jul;41(7):950-960
37. **Shukla S**, Kini H, Ilias ML, Gautam K. Hydrops fetalis secondary to supradiaphragmatic extrapulmonary sequestration with congenital cystic adenomatoid malformation. *Journal of Pathology of Nepal.* 2017;7: 1130-32

38. Neyaz A, Husain N, Deodhar M, Khurana R, **Shukla S**, Arora A. Synchronous Cervical Minimal Deviation Adenocarcinoma, Gastric Type Adenocarcinoma and Lobular Endocervical Glandular Hyperplasia Along with STIL in Peutz-Jeghers Syndrome:Eliciting Oncogenesis Pathways. Turkish J Pathol.doi: 10.5146/tjpath.2017.01406
39. Neyaz A, Husain N, Arora A, Srivastava P, Malhotra KP, **Shukla S**. Histomorphologic Prediction Parameters of Survival and Lymph Node Metastasis in Gallbladder Cancer (*Abstract*) Arch Pathol Lab Med. 2017;141:e12-13
40. Arora A, Husain N, Singhal A, Agarwal A, **Shukla S**, Malhotra KP. Expression of Programmed Cell Death Ligand-1 in Oral Squamous Cell Carcinoma (*Abstract*). Arch Pathol Lab Med. 2017;141:e154
41. Azam M, Rath S, Khurana R, **Shukla S**, Parveen R. Rare case of subependymal giant cell astrocytoma without clinical features of tuberous sclerosis: Case report and literature review. Prec. Radiat. Oncol.2017;1:108-112
42. **Shukla S**, Husain N. Pathology relevant to Radiologist. 1st Edition, 2017 in Atlas of Imaging in Tuberculosis.(*Book Chapter*)
43. Anand N, **Shukla S**, Singh P, Awasthi NP, Husain N, Gupta A. Aspiration cytology of Right Hypochondrial masses: Utility and Diagnostic Efficacy. EJMPPR. 2017; 4(12):465-70.
44. Guleria P, Husain N, **Shukla S**, Kumar S, Parshad R, Jain D. PD-L1 immun-expression assay in thymomas: Study of 84 cases and review of literature. Ann Diagn Pathol. 2018;34:135-141.
45. Anand N, **Shukla S**, Singh A, Husain N. Adenocarcinoma with unknown primary: Diagnostic implications using immunohistochemistry. MGM J Med Sci. 2018;5(1):1-5.
46. Dwivedi U, **Shukla S**, Anand N, Parashar C, Husain N. Scar Endometriosis: Cytological diagnosis. J Nepal Med Assoc 2018;56(209):550-2.
47. Kaif M, Neyaz A, **Shukla S**, Husain N. Fulminant leptomeningeal carcinomatosis from a malignant melanoma arising in a cerebellopontine epidermoid cyst: A rare case with diagnostic pointers. Neuropathology.Epub 2018 Jun 6
48. Neyaz A, Husain N, Kumari S, Gupta S, **Shukla S**, Arshad S, Anand N, Chaturvedi A. Clinical Relevance of PD-L1 Expression in Gallbladder Cancer: A Potential Target for Therapy.; Histopathology. Epub 2018 Jun 8.

PRESENTATIONS:

A. ORAL PRESENTATIONS

1. **Workshop coordinator:** Workshop on “Molecular Pathology of CNS Tumours” at NPSICON 2018, 16th -18th February 2018, Dr. Ram Manohar Lohia Institute of Medical Sciences and Sahara Hospital Lucknow.
2. **Panel discussion:** Participated as a Panelist in the “Molecular Oncology Session” at 36th ICON conference, 25th-26th March 2017, Indira Gandhi Prathisthan, Lucknow UP
3. **Invited Lecture:** Molecular profiling in Lung Cancer for Targeted therapy at International conference on updates in Cancer Prevention and Research (ICUCPR 2017) and Satellite Conference on Translational Pharmaceutical Research: Trends and Implications, 14th-16th & 20th February 2017, Babasaheb Bhim Rao Ambedkar University, Lucknow

4. **Invite Lecture:** Molecular markers in Lung Cancer at Workshop on Lung cancer, 30th November 2016, organized by Mahavir Sikshan Sansthan in Association with National Health Mission Uttar Pradesh
5. **Oral paper presentation:** Fluorescence in situ hybridization for the detection of Anaplastic Lymphoma kinase gene re-arrangement in non small cell lung carcinoma: A tertiary care centre study at 4th SACH Conference, 17th and 18th September 2016, BPKIHS, Dharan, Nepal. **Won the award for the best oral paper presentation.**
6. **Oral paper presentation:** “The value of Cytology in Diagnosis of Pulmonary Adenocarcinoma” at National conference on Advances in Cancer Diagnosis and Research, 9th-11th February 2015, Era’s Lucknow medical College and Hospital, Lucknow. **Won the first prize for the best oral paper presentation.**
7. **Workshop coordinator:** “Wet Workshop on FISH Techniques”, Annual conference of UP Chapter of Indian Association of Pathologists and Microbiologists UP PATHCON 2014, 13th October, 2014, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow.
Lectures Delivered:
 - Discussion and protocol for FISH techniques in solid tumors
 - Interpretation of FISH including trouble shooting for solid tumors
8. **Oral presentation:** “Dual cervical infection”. Case presentation at Midyear teaching program: IAPID liquid based cytology on 5th and 6th July 2013 at Dr. Ram Manohar Lohia institute of Medical sciences, Lucknow.
9. **Oral presentation:** “Neuropathology of Alzheimer’s Disease” at the CME on Recent Advances in Alzheimer’s disease organized by Indian Academy of Neurosciences with Alzheimer’s and related disorders Society of India at Lucknow on December 3rd 2011.

B. POSTER PRESENTATIONS:

1. PD-L1 expression in Glial Neoplasms: A Preliminary Study. **Saumya Shukla**, Nuzhat Husain, Sridhar Mishra, Rupali Awale, Kiran Preet Malhotra. 3rd Annual Conference of the Neuropathology Society of India, NPSICON 2018, 16th -18th February 2018, Dr. Ram Manohar Lohia Institute of Medical Sciences and Sahara Hospital Lucknow.
2. PD-L1 expression in Adenocarcinoma Lung and its association with Driver Mutations. **Saumya Shukla**, Nuzhat Husain, Surya Kant, Rajiv Garg. 6th Annual Conference of South Asian academy of Cytopathology and Histopathology (SACH ’18), 19th – 21st January 2018, Rajendra Institute of Medical Sciences, Ranchi, Jharkhand, India. **Awarded the second prize**
3. Epidermal Growth Factor Receptor in Adenocarcinoma Lung: Co-relation with Gender, Smoking and Demographic Variables. **Saumya Shukla**, Rahul Kumar Pandey, Nuzhat Husain, Surya Kant, Rajiv Garg. International Conference on Impact of Environment on Women’s Health, 29th Nov to 1st Dec 2017, Amity University, Lucknow, Uttar Pradesh.
4. ROS-1 protein expression in Adenocarcinoma Lung: A tertiary care centre study. **Saumya Shukla**, Nuzhat Husain, Suryakant, Rajiv Garg. UPPATHCON 2017, XXVth Annual conference of UP chapter of Indian Association of Pathologists and Microbiologists, 23rd-24th October 2017, King George’s Medical University, Lucknow.
5. Epidermal Growth Factor Protein expression and Mutation in Adenocarcinoma Lung; **Saumya Shukla**, Kiran Preet Malhotra, Nuzhat Husain. APCON 2015, 64th Annual Conference of Indian Association of Pathologists and Microbiologists, 4th – 6th Dec 2015, Le Meridien, Kochi.

6. Polysomy of Anaplastic Lymphoma kinase (ALK) gene in non small cell lung carcinoma (NSCLC): A case report; **Saumya Shukla**, Kiran Preet Malhotra, Nuzhat Husain, Vandana Tiwari, Alok Singh. Annual conference of UP Chapter of Indian Association of Pathologists and Microbiologists UP PATHCON 2014, 11th -13th October, 2014, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow. **Jointly awarded the First prize for the poster.**
7. Proliferating trichilemmal cyst: a close mimic of squamous cell carcinoma; **Saumya Shukla**, Kiranpreet Malhotra, Nuzhat Husain, Ashish Singhal, Vijay Kumar. National Conference on Pulmonary and Skin Pathology, 14th-15th October, 2013, Era's Lucknow Medical College.
8. Intraventricular Tanycytic Ependymoma- A case report of an uncommon fibrillary variant. **Saumya Shukla**, Kiranpreet Malhotra, Nuzhat Husain. XIX Annual Conference of Neuroscience Society of Uttar Pradesh & Uttarakhand, NEUROCON 2013: 16th-17th March, 2013, King George's Medical University, Lucknow
9. Pilomatrix Carcinoma: A Rare Tumor of Hair Matrix Cells-A Case Report. **Saumya Shukla**, Kiranpreet Malhotra, Nuzhat Husain. National Conference on "Advances in Cancer Research" and a "Symposium on Cervical Cancer" entitled, ONCO-2013 on 12th February, 2013, Era's Medical College and Hospital, Lucknow.
10. FNAC characteristics of Sacral Chordoma. **Saumya Shukla**, Nuzhat Husain, Namrata P Awasthi . CYTOCME- Short course in Thyroid cytology and Advances in Cytology 7th & 8th February 2012 at Era's Medical College and Hospital, Lucknow.
11. Cyodiagnosis of Gastrointestinal Stromal Tumour In Ascitic Fluid. **Saumya Shukla**, Nuzhat Husain, Namrata P Awasthi. CYTOCME 30th July 2011 at Era's Medical College and Hospital, Lucknow. **Won the second prize for the poster.**
12. Hydrops Fetalis secondary to supradiaphragmatic extrapulmonary sequestration with congenital cystic adenomatoid malformation- a case report. **Saumya Shukla**, Hema Kini, Radha Pai, Aarthi Rau. XXXIV- Annual Conference Of Karnataka Chapter-Indian Association Of Pathologists and Microbiologists, 2nd to 4th November 2007 at J.J.M Medical College and S.S. Institute of Medical Sciences and Research Center, Davangere.

RESEARCH:

POST GRADUATE THESIS:

Perinatal death: A Retrospective and Prospective autopsy study- A study of 150 cases of perinatal autopsy. Submitted to Manipal University, 2010.

RESEARCH PROJECTS: AS PRINCIPAL INVESTIGATOR:

SN	TITLE	DURATION	COST	FUNDING AGENCY
1	INTRAMURAL: Comparative analysis of Immunohistochemistry (IHC) and Fluorescence in situ hybridization (FISH) for detection of Anaplastic Lymphoma Kinase (ALK) gene rearrangement in adenocarcinoma lung-A pilot study (IEC 15/13)	2013-2015	Rs. 2,00,000 (Rupees two lacs only)	Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow.
2	EXTRAMURAL: Epidermal Growth Factor Mutation (EGFR) and Anaplastic	2015-2018	Rs 9,00000	Council of Science and

	Lymphoma Kinase (ALK) Gene re-arrangement in non small cell lung carcinoma (IEC 8/14)		(Rs Nine lacs only)	Technology – Uttar Pradesh. (Under the Young Scientist Scheme)
3.	INTRAMURAL: Programmed cell death-ligand 1(PD-L 1) expression in non small cell lung cancer (NSCLC) and its co-expression with driver mutations: A pilot study. (IEC 6/16)	2017-2019	Rs. 2,00,000 (Rupees two lacs only)	Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow.

RESEARCH PROJECTS: AS CO- INVESTIGATOR:

SN	TITLE	DURATION	COST	FUNDING AGENCY
1	INTRAMURAL: (AS CO-INVESTIGATOR): Detection of novel and known EGFR mutations in lung adenocarcinoma by DNA sequencing (IEC 32/15)	2016-2018	Rs. 2,00,000 (Rupees two lacs only)	Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow.
2	INTRAMURAL: (AS CO-INVESTIGATOR): KRAS and BRAF ^{V600E} protein over-expression in adenocarcinoma lung and association with PD-L1 expression: A pilot study	2018-2020	Rs. 2,00,000 (Rupees two lacs only)	Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow.