

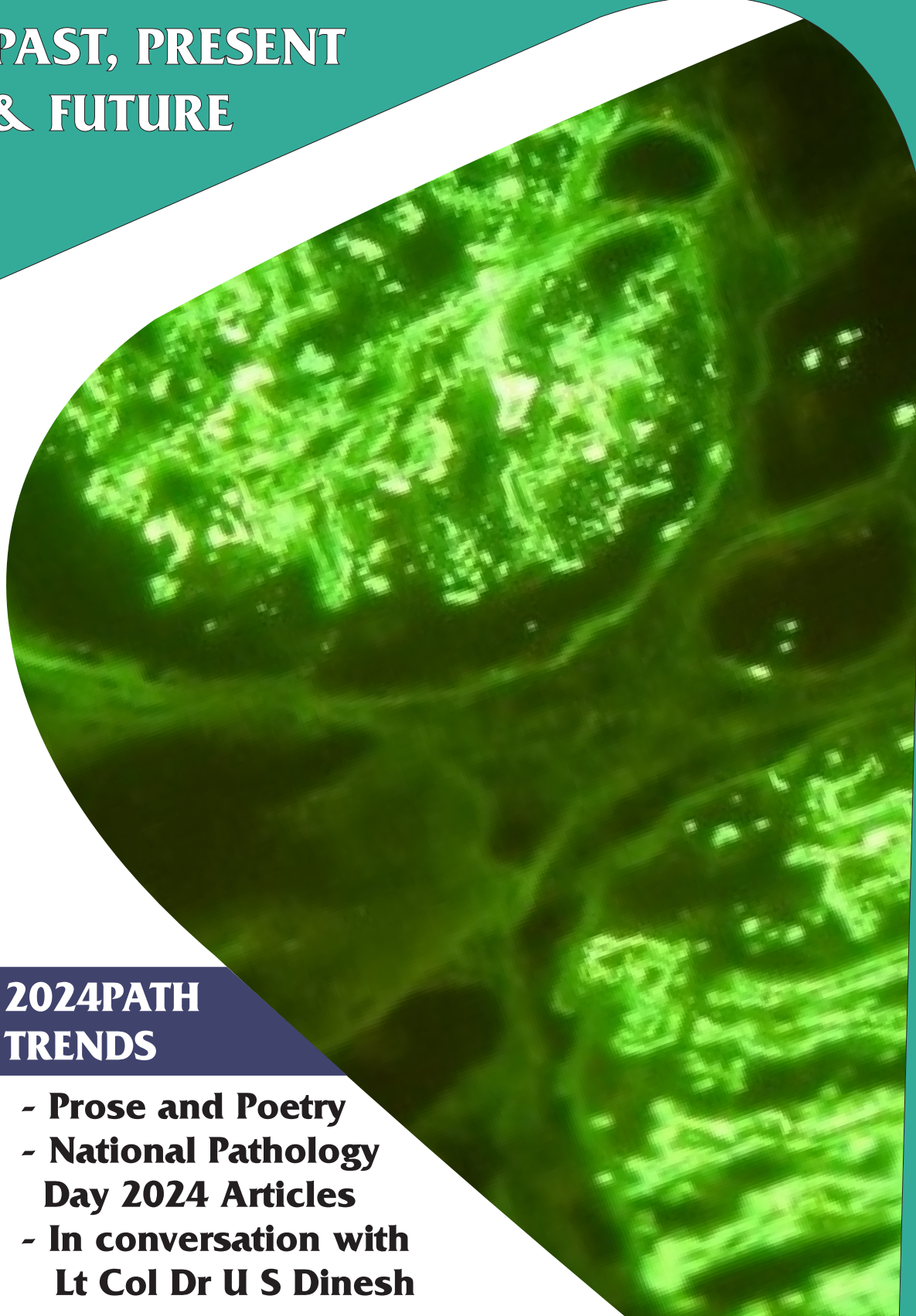


Volume 3 | Issue 1 | 2024

# PATN ವರ್ಣ

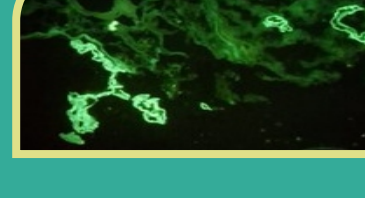
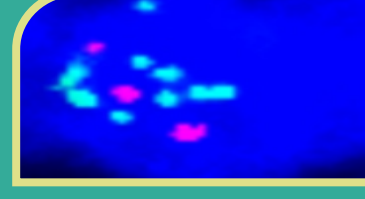
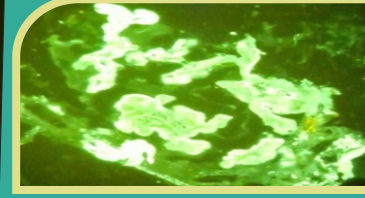
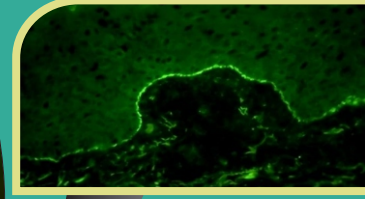
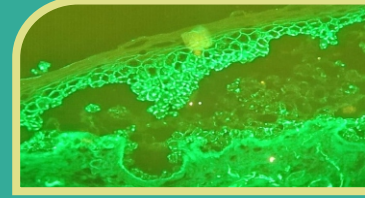
THE OFFICIAL NEWSLETTER OF KARNATAKA CHAPTER - IAPM

## PATHOLOGY PAST, PRESENT & FUTURE



### 2024PATH TRENDS

- Prose and Poetry
- National Pathology Day 2024 Articles
- In conversation with Lt Col Dr U S Dinesh



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## NOTE FROM THE EDITORIAL TEAM

The inaugural issue of "Pathವರ್ಣ"-The Official Newsletter of KCIAPM for 2024 sounds like a vibrant tapestry of insights and creativity within the realm of pathology. It's wonderful to see a blend of prose, poetry, articles, and interviews, offering a multifaceted view of the discipline. The inclusion of visuals from the National Pathology Day-2024 celebrations adds a colourful dimension, bringing the community together in a spirit of celebration and camaraderie. Acknowledging the contributors and office bearers underscores the collaborative effort behind such a publication, and it's heartening to see a call for more participation, inviting pathologists to share their unique perspectives and talents. It's clear that our newsletter serves not only as a platform for information exchange but also as a reflection of the passion and dedication within the KCIAPM community. The announcement of the 50th Annual State Conference, KAPCON 2024, adds a sense of anticipation and grandeur to the future releases of "Path ವರ್ಣ". Here's to many more vibrant issues in the future...

## Editorial Committee - Pathವರ್ಣ



**Dr. Vijay Shankar**  
Professor  
AIMS, B.G. Nagar



**Dr. S R Niveditha**  
Professor  
KIMS, Bengaluru



**Dr. Suma M N**  
Associate Professor  
KMIO, Bangalore



**Dr. Archana Shetty**  
Professor  
CDSIMER, Ramanagara



**Dr. Ranjana S. Ranade**  
Associate Professor  
KAHER'S JGMMC, Hubballi



**Dr. Namratha R**  
Assistant Professor  
JSS Medical College, Mysuru



**Dr. Sanjana S. K.**  
Assistant Professor  
St. Peter Medical College Hospital  
& Research Institute, Hosur





**Dr. Sujay Ramaprasad**

President,  
Karnataka Chapter,  
Indian Association  
of Pathologists  
and Microbiologists

## President's Message

Dear Friends, Members of KCIAPM,

Warm greetings to each one of you!

It's truly heartening to connect with all of you through this edition of PathVarna. I find these interactions immensely valuable as they strengthen our sense of community, binding us together beyond our shared professional interests into a vibrant network of diverse experiences and perspectives.

PathVarna, our collective platform, has blossomed into a space where we extend ourselves beyond the realms of microscope and glass slides. It embodies the essence of teamwork and camaraderie, fostering a spirit of joy and collaboration among our members. Each edition reflects the enthusiasm and dedication of our community, with some voices resonating loudly and others speaking through quieter expressions—yet all contributing significantly to the success of PathVarna.

Our chapter owes much of its success to the dynamic contributions of our members. We are fortunate to have individuals like Dr. Aditya Agnihotri steering us as Secretary, and Dr. Thejasvi Murthy skillfully managing our finances as Treasurer, fueling our growth and enabling milestones like the KCIAPM School of Pathology, the Journal of Diagnostic and Anatomic Pathology, and numerous engaging activities for postgraduates.

On a deeper note, life itself is a gift, and each moment presents an opportunity for fulfillment. It's easy to be swept away by past regrets or future worries, but true fulfillment lies in embracing the present—our "NOW." Our lives are shaped by the choices we make, not solely by external influences. Let's empower ourselves to take charge of our narratives and nurture the personalities we aspire to become.

Let's expand our circle. Postgraduates and colleagues stand to benefit greatly by joining the Karnataka Chapter IAPM, engaging in its activities, and enriching our community. I encourage each member to reach out to postgraduates and colleagues, inviting them to experience the rewards of membership.

Wishing every member of KCIAPM a fulfilling and participative journey in life.

Warm regards,

**Sujay Ramaprasad**

President,  
Karnataka Chapter,  
Indian Association of Pathologists  
and Microbiologists





**Dr Aditya Agnihotri,**  
Honorary Secretary,  
KCIAPM (Karnataka Chapter  
of the Indian Association  
of Pathologists and  
Microbiologists)

## Secretary Message

Dear Esteemed Members of KCIAPM,

I am delighted to share with you the release of Volume 3, Issue 1 of PathVarna, the official newsletter of the Karnataka Chapter of Indian Association of Pathologists and Microbiologists (KCIAPM). As Honorary Secretary, it is my privilege to introduce this latest edition, which serves as a testament to the vibrant spirit and collective expertise of our esteemed community.

PathVarna has been a cornerstone of our association, providing a platform for the exchange of knowledge, ideas, and experiences among our members. In this issue, you will find a treasure trove of articles, interviews with Past-President Dr Col U S Dinesh, National Pathology Day articles and insights contributed by our talented colleagues, reflecting the breadth and depth of our field.

I extend my heartfelt appreciation to all the authors, reviewers, and editorial team members whose diligence and expertise have shaped this publication. Your contributions are invaluable in fostering dialogue, promoting collaboration, and advancing the frontiers of our discipline.

As we celebrate the release of PathVarna Vol 3 Issue 1, let us reaffirm our commitment to the highest standards of professionalism, integrity, and service. Together, we can continue to make meaningful contributions to healthcare, research, and education, enriching the lives of countless individuals.

I encourage you to explore the pages of PathVarna and engage with its contents, sparking conversations and forging connections that will propel us toward a brighter future.

On behalf of the Karnataka Chapter of the Indian Association of Pathologists and Microbiologists (KCIAPM), it gives me immense pleasure to announce launch our brand new website [www.kciapm.org](http://www.kciapm.org). Our newly launched digital platform serves as a dynamic hub for knowledge exchange, collaboration, and professional development, tailored to meet the diverse needs and interests of our esteemed members.

In addition, we thank members for support for our two key initiatives that further embody our commitment to excellence: KCIAPM School of Pathology and Journal of Diagnostic and Academic Pathology whose first issue will be released soon.

Thank you for your continued support and participation in the mission of KCIAPM. I look forward to our continued collaboration and the exciting opportunities that lie ahead.

Warm regards,

**Dr Aditya Agnihotri,**  
Honorary Secretary,  
KCIAPM  
(Karnataka Chapter-  
Indian Association  
of Pathologists and  
Microbiologists)



**Dr Thejasvi  
Krishnamurthy**

Honorary Treasurer, KCIAPM  
Professor  
Department of Pathology  
Kempegowda Institute  
of Medical Sciences, Bengaluru

## Treasurer's Message

Dear Esteemed Members, As the Treasurer of the Karnataka chapter of the Indian Association of Pathologists and Microbiologists, it gives me immense pleasure to address you all through our biannual magazine. This platform serves as a crucial channel for communication and dissemination of knowledge within our esteemed community of pathologists and microbiologists. First and foremost, I extend my heartfelt gratitude to each one of you for your unwavering commitment and dedication to the advancement of pathology and laboratory medicine. Your passion for excellence and tireless efforts play a pivotal role in shaping the landscape of healthcare delivery and research.

In the past six months, our chapter has witnessed significant strides in various academic activities, ranging from insightful slide seminars and discussions. These endeavours not only foster intellectual growth but also facilitate meaningful collaborations and exchange of ideas amongst our members, contributing to the academic growth of our post graduate students.

Financial stewardship remains a cornerstone of our organization's success, and I am pleased to report that our fiscal health remains robust. Through prudent management and strategic allocation of resources, we have been able to support a myriad of educational initiatives through our KCIAPM School of Pathology and scholarly pursuits through our Journal of Academic Diagnostic Pathology ensuring the continued advancement of our field. Looking ahead, I encourage each member to actively participate in our upcoming events and initiatives. Your active involvement not only enriches our collective experience but also reinforces our shared commitment to excellence in pathology and laboratory medicine.

In closing, I extend my best wishes to all members for continued success and fulfilment in their professional endeavours. Let us remain steadfast in our pursuit of knowledge and innovation, knowing that together, we can surmount any challenge and achieve new heights of excellence. Thank you and I eagerly anticipate our continued collaboration and success in the future.

**Dr Thejasvi Krishnamurthy**

Honorary Treasurer, KCIAPM  
Professor  
Department of Pathology  
Kempegowda Institute of Medical Sciences  
Bengaluru

## Executive Committee - KCIAPM



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Dr Sujay Prasad



**Vice-President**  
Dr Vijay Shankar S.



**Honorary Treasurer**  
Dr Thejasvi Krishnamurthy



**Honorary Secretary**  
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**Dr Anu Austine**



**Dr Sriram S Prasad**



**Dr Aishwarya Naregal**



**Dr Kitty Kuruvilla**

**Dr.Yashica Gowda R**

Assistant Professor  
Department of Pathology  
Nandi Medical College & Research  
Institute  
Chikkaballapura

**Behind the microscope  
is our ray of hope..  
In shades of hematoxylin & eosin  
is every pathologist's win..  
In Fite Faraco and Ziehl Neelsen  
we fight and wish to see none..  
Magenta in PAS..black in GMS  
we hunt for the hiding fungus..  
Yellow..yellow..yellow  
is our Verhoeffs -VG's fellow..  
Massons trichome..Movats pentachrome  
make our faces bloom..  
Comes here Congo red  
to see the amyloid spread..  
Our search for iron so blue  
is in the ocean of Perls Prussian blue..  
At last comes Leishman  
without which there is no completion..  
Slides decked up with supravital,metachromatic  
and polychromatic colours to wish us..  
Happy pathologists' day..!!**



## 'AND THEN'



### **Dr. Aparna Gangoli**

Lab Director and Senior Consultant Oncopathologist,  
Cytecare Cancer Hospitals,  
Bangalore

**And then.....**

**There is a world between black and white.**

**There is a place between wrong and right.**

**There is a time between day and night,**

**The romantic would call it twilight,**

**The dogmatic would deny it with all their might,**

**The stoic would accept it without a fight,**

**Many a debate this would invite,**

**But the pathologists ??**

**Borderline tumour**

**Is all that they would write.**



# PHYSICIAN BURNOUT: A SILENT AND SERIOUS CRISIS IN HEALTHCARE!



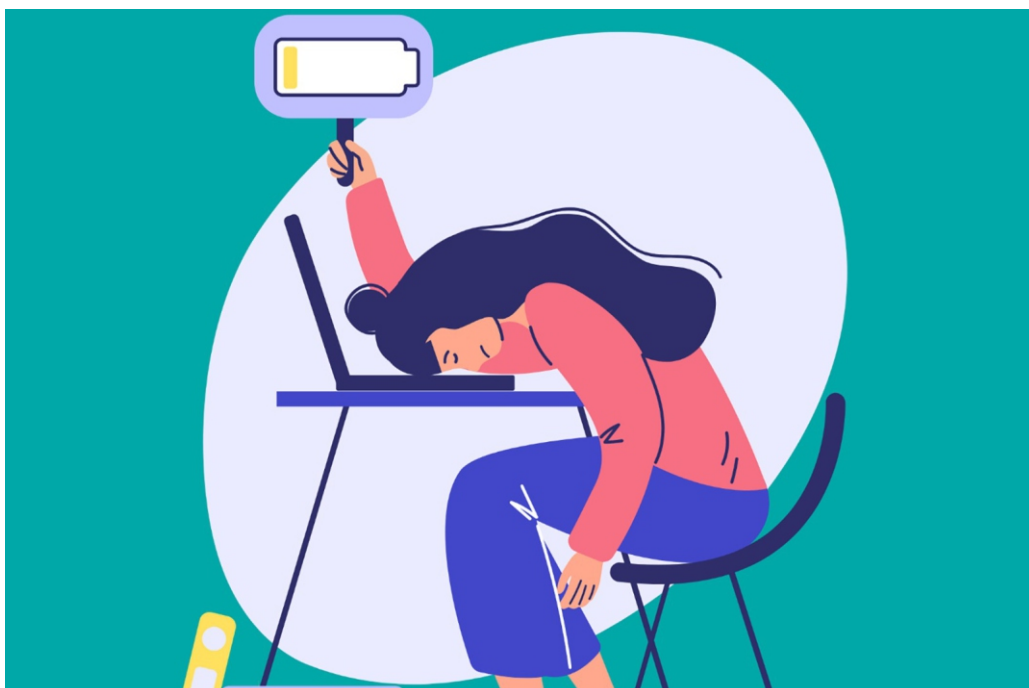
**Dr. Shubha H.V**

Associate Professor  
Department of Pathology  
Sapthagiri Institute of Medical  
Education & Research  
Bengaluru

As the sun rises over the horizon and a new day begin,  
I wake up from my bed, giving myself a broad rueful grin,  
My soul determined and sworn by the oath,  
But my body worn out and loathe....  
"About going to work"!!!  
Then my mind reminds me the fact,  
To get ready for yet another long day to tact,  
As "I am a doctor, I am a doctor" !!!!  
Later, I muster all the zeal,  
To step out into the world to heal...  
Recollecting myself the list of tasks and challenges to deal.  
There I reach, to my workplace-  
a reputed, accredited, specialized, nurturing, advanced  
hospital.....  
Just to see the usual uncontrolled rampant woeful people standing in long queues,  
I swiftly walk over the scene, left with no clues.....  
All set to start a hectic still pleasant day,  
My phone rings to bring a news to my dismay,  
"Patient is serious, Patient is serious"!!!  
I left my consultation room immediately without any delay.....  
Rushing through the corridors, I reached the casualty,  
People gathered there, were cursing the almighty's cruelty,  
As I saw the ECG giving a flat line,  
Shiver ran down my spine.  
Within a few moments later, I declared the patient dead !!!  
Little did I know what lay ahead !!!  
The mob had turned extremely furious,  
They started approaching towards us,  
Thankfully the tight security being utmost cautious,  
Succeeded in defending us from the mob that was indeed too barbarous !!!!  
Is this what I had longed for years,



**To face the unexpected fears ????**  
**I need some space to breathe,**  
**As profound discontent is entwined within myself like a wreath....**  
**The long working hours and plenty of mails in the inbox that pours,**  
**For the low salary paid and enormous work done without any extra aid,**  
**It is high time we need an intervention to improve the professional satisfaction and**  
**quality of care !!!**  
**A decent salary to lead a standard life,**  
**A bunch of adequate and good staff to reduce the strife,**  
**A good patient-doctor relationship,**  
**To forget about all the hardships.**  
**Isn't all these just enough to meet our "Rational Expectations with the Reality"???**





# Chromatic Odyssey: My transformative journey with the brown stain - Immunohistochemistry (IHC)



**Dr. Nidha Gaffoor**

Assistant Professor

Dr. CDS Institute of Medical Education & Research  
Ramanagara

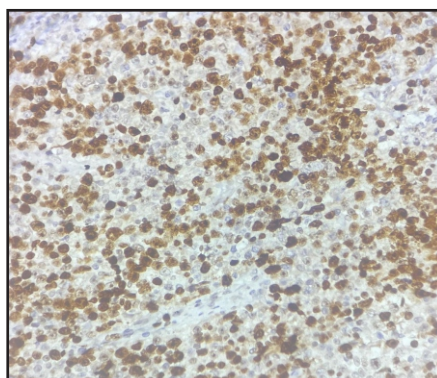
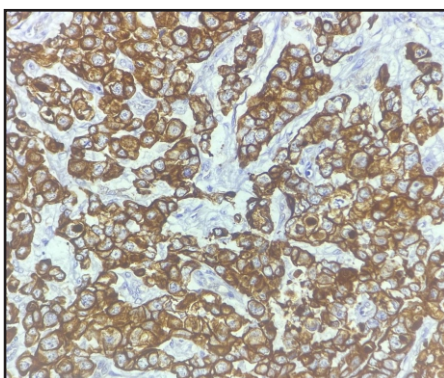
This narrative is a blend of my personal reflection and scientific insight, illustrating how a simple visual cue ignited a deep-seated passion in me to be a detective in the field of medicine.

My adventure into the realm of immunohistochemistry (IHC) began during my post graduate years in the laboratory - a place where curiosity meets discovery. Initially, the world of histopathology seemed like an intricate complex puzzle with each staining technique revealing a piece of the vast mosaic of cellular structure. However, it was introduction of IHC that transformed my perspectives turning routine analysis into a deeply engaging quest for understanding.

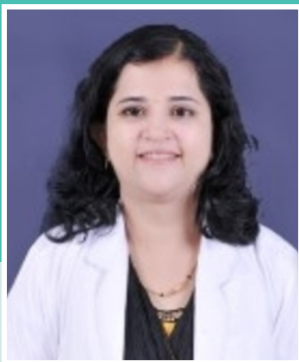
The allure of IHC for me, curiously enough, was its characteristic brown stain. Under the microscope, there's something profoundly captivating me when the targeted antigen-antibody reaction reveals itself through its distinct coloration. This brown stain, though simple in appearance represents the precise localization of specific proteins within the complex architecture of tissues. My fascination grew as I delved deeper into this technique during my oncopathology fellowship days. IHC is not merely about staining, it's a window into the molecular interactions that define health and disease. This brown stain, which arises from the enzymatic conversion of a chromogen- DAB (3,3'-Diaminobenzidine) serves as a beacon for understanding pathological conditions from benign to malignancies. Each time I visualise an IHC slide, I became a detective in my own way and the Sherlock Holmes within me awakens, fueling an insatiable curiosity to unravel the mysteries of diseases.

As I continued to practise, the initial fascination with the brown stain has evolved into profound respect for the power of IHC. It has the unique ability to merge the visual beauty of histology with molecular biology, offering a bridge between the seen and the unseen. Beyond providing a diagnosis, IHC helps in even visualising targets of therapeutic interventions, helping to predict outcomes and tailor targeted treatments. My journey with IHC has been one of constant learning, where each slide stained brown reminds me of the complexity of life, a narrative intricately woven with aspirations, fears, and expectations of patients standing at crossroads, their emotions oscillating between hope and apprehension, eagerly waiting for a report that could pivot their lives towards joy or sorrow.

To wrap up, the "Brown stain" - a symbol of specificity and clarity in a sea of complexity, has sparked a passion in me to understand the molecular underpinnings of disease. It has taught me that beyond every brown spot lies a story waiting to be told, a puzzle waiting to be solved, and a path forward in the quest to improve human health.



# "Why Medical Education (ME)!!"



**Dr Reshma Kini**

Professor, Pathology  
Father Muller Medical College,  
Mangaluru

Thank you for braving the title and descending to this paragraph!

I am used to my doctor colleagues exclaiming the title at me and ME. The emotions expressed by the speaker usually is an admixture of wonderous surprise, pity, and a faint sense of alarm with a body language displaying a subtle desperation to run away.

I choose usually to ignore the exclamation and take the question literally. Depending on what might impress the person most I choose –(i) well someone must do it (ii) its requirement by the NMC (iii) It counts for NAAC. Because by experience I know when I speak the truth "I am passionate about ME" the sense of pity and alarm heightens.

We are of course a rare breed- a cross between a passionate teacher and a desperate shepherd who does not wish to become Little Bo Peep<sup>1</sup>. The sheep being ...ahem! those very colleagues who prefer to graze the grass within their OPDs/classes and do not find the grass of ME on the other side at all greener and rather avoid it like the fodder scam.

So, when wanting to conduct an ME program we need something akin to a divine intervention – our Zeus<sup>2</sup> to wield his pen literally like a sword to shoo<sup>3</sup> notices at the hapless faculty to attend 'this and that' workshop<sup>4</sup>. Because if Zeus forgets the MEU, might as well begin to look for discounted offers on Amazon for bulk-purchase of fly-swatters.<sup>5</sup>

But we do see time and again the sheep that came to the workshops believing to be sheared have been surprised to be handled with kid gloves and frisk around happily during the 'activities' we plan. The dedication of the MEU usually shines forth and we even earn respect of the wolves<sup>6</sup>

The best part of the day of course is when they feedback us blooming words of unexpected gratitude. And even better is when we add another fly swatter to our cart when someone says "Why not me in ME too?"

However, to avoid accusations of plagiarism from a certain swamy<sup>7</sup> I shall stop with the ME that is in me.

1 The one from nursery rhyme who lost her sheep

2 The Dean - we MEU people use strange words

3 Its more like shooing than issuing

4 'This and that' is what the faculty refer to the topic of the workshop because they never know what it is in advance.

5 I think you got this one

6who came in sheep's clothing

7 He shall be "N"ameless

## EXPLORING MICROSCOPIC PATTERN : A DUSSEHRA JOURNEY AT SS INSTITUTE OF MEDICAL SCIENCES & RESEARCH, DAVANGERE



**Dr Shashikala Krishnamurthy**

Professor & Head,  
Pathology  
SSIMSRC, Davanagere

An innovative journey bridging the realms of tradition & science.

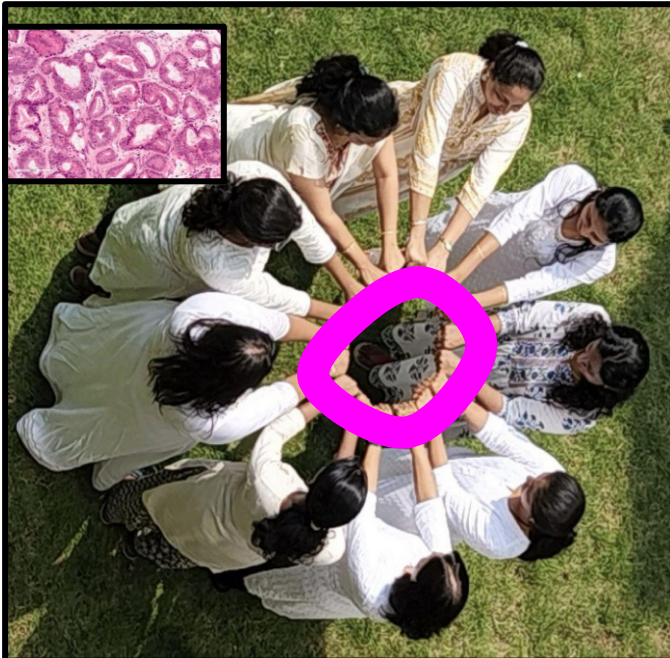
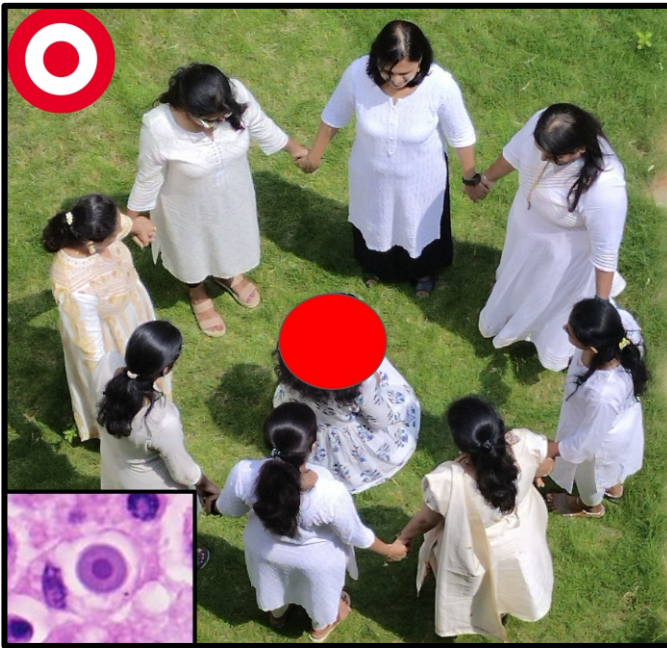
Inspired by the vibrant festivities of Dussehra, we, the faculty and PGs of pathology & students of SSIMSRC, donned identical colored dresses symbolizing unity and embarked on a visual exploration of cyto-histopathological architecture structures. With the backdrop of this festive occasion, we meticulously orchestrated our poses, trying to represent microscopic world of pathology.

As we clicked photographs capturing these diverse cellular arrangements, the project seamlessly merged fun-filled learning with the rigorous process of identifying microscopic morphology. Through this endeavour, we not only celebrated the spirit of Dussehra but also deepened our understanding of histopathological concepts in a visually engaging manner, showcasing creativity & how tradition and science can harmoniously intersect to illuminate the wonders of pathology.

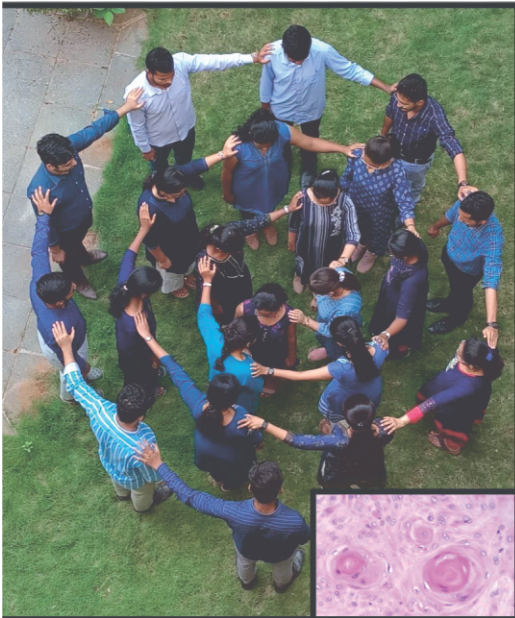
As we reflect on this memorable experience, we are reminded of the profound beauty & complexity inherent in the microscopic structures that shape our understanding of disease & pathology.















**Dr. Kusuma Venkatesh**  
Professor, Pathology  
East Point Medical College,  
Bengaluru

## ಹೀಗೊಂದು ವೈದ್ಯಕೀಯ ಯಾತ್ರೆ

ಪ್ರೀತಿಯ ರೋಗನಿರ್ಣಯ ತಜ್ಞರೇ, ನಮಸ್ಕಾರ, ಯಾರಿವರು ಅಂದ್ಲೂಕೋಬೇಡಿ, ನಾನು ಕೂಡಾ ನಿಮ್ಮಂತೆಯೇ ಪೆತಾಲಾಜಿಸ್ಟ್. ನಾವು ರೋಗಿಗಳಿಗೆ ಎದುರಿಗೆ ಸಿಗುವುದು ಅಪರೂಪದ ವಿಷಯ. ಈಗಲೂ ಓದದೇ ಇರುವ ಜನಕ್ಕೆ ನಾವು ವೈದ್ಯರಾಗಿ ಔಷಧಿ ಯಾಕೆ ಬರೆದುಕೊಡೋಲ್ಲ ಮತ್ತೆ ಅವರ ಬ್ಲಡ್ ಪ್ರೆಷರ್, ನಾಡಿ ಪರೀಕ್ಷೆ ಇತ್ಯಾದಿ ಮಾಡೋದಿಲ್ಲ ಅಂತಾ ಅನಿಸುತ್ತೆ. ಅದಿರಲಿ ಬರೀ ರಕ್ತ ಮತ್ತು ಮಾತ್ರ ಪರೀಕ್ಷೆ ಮಾಡುವವರು ಅಂತ ಕೆಲವರು ತಿಳಿದಿದ್ದಾರೆ. ಕ್ಯಾನ್ಸರ್‌ನಂತೆ ಕಾಯಿಲೆ ಕೂಡಾ ನಮ್ಮ ನಿರ್ಣಯ ಅಂತ ಗೊತ್ತಿಲ್ಲ. ನಮ್ಮ ಸ್ಪೆಷಾಲಿಟಿಗೆ ರೋಗ ನಿಧಾನ ಶಾಸ್ತ್ರ ಅಂತಾನೂ ಕರೀತಾರೆ. ಕೆಲವು ಸಲ ಡೈಗ್ನೋಸಿಸ್ ನಿಧಾನ ಆಗೋದ್ರಿಂದ ಹೀಗೆ ಹೆಸರು ಬಂದಿದೆಯಾಂತೆ? ಇನ್ನೂ ಕೆಲವು ಹೆಸರುಗಳೂ ಇವೆ, ರೋಗ ಶಾಸ್ತ್ರ, ರೋಗ ವಿಧಾನ ಶಾಸ್ತ್ರ, ಇತ್ಯಾದಿ ಇತ್ಯಾದಿ.

ನಮ್ಮದು ವರ್ಣಮಯ ವಿಭಾಗ, ಏನಿದು ಎಂತಾ ಕಲರ್‌ಫುಲ್ ಎಂದಿರಾ. ನಾವು ಬಹಳ ಬಣ್ಣಗಳನ್ನು ಉಪಯೋಗ ಮಾಡ್ತೇವೆ ದಿನವೂ ಅಂಗಾಂಶಗಳನ್ನು ಅಭ್ಯಾಸ ಮಾಡಲು ಬೇರೆ ಬೇರೆ ಕಲರ್ಸ್ ಉಪಯೋಗಿಸ್ತೇವೆ. ನೀಲಿ, ಗುಲಾಬಿ ಬಣ್ಣ ಅಲ್ಲದೆ ಹಸಿರು, ಕೆಂಪು ಸಾಲದು ಅಂತ ಫ್ಲೋರಸೆಂಟ್ ಕಲರ್ ಕೂಡ ಉಪಯೋಗಿಸ್ತೇವೆ. ಸಾಮಾನ್ಯವಾಗಿ ಎಲ್ಲಾ ಮೆಡಿಕಲ್ ಕಾಲೇಜುಗಳಲ್ಲೂ ಪೆತಾಲಜಿ ವಿಭಾಗದಲ್ಲಿ ಹೆಚ್ಚಾಗಿ ಹೆಣ್ಣು ಮಕ್ಕಳು ಕೆಲಸ ಮಾಡ್ತಾ ಇರುವುದರಿಂದ ಸಹಜವಾಗಿಯೇ ಚಂದವಾಗಿ ಕಾಣುತ್ತದೆ. ನಾನು ಈಗ ನಿವೃತ್ತಿಯಾದ ಗುಂಪಿನವಳಾಗಿರುವುದರಿಂದ ಹೇಳುತ್ತೇನೆ, ನಾವು ಮೆಡಿಕಲ್ ಕಾಲೇಜಿನಲ್ಲಿ ಓದುತ್ತಿದ್ದಾಗ ಇಷ್ಟು ಲೇಡೀಸ್ ಗುರುಗಳು ನಮ್ಮ ವಿಭಾಗದಲ್ಲಿ ಇರಲಿಲ್ಲ. ನಮ್ಮ ಎಲ್ಲಾ ಗುರುಗಳಿಗೂ ನನ್ನ ಹೃತ್ಪೂರ್ವಕ ನಮಸ್ಕಾರ, ಅವರು ಹಾಕಿಕೊಟ್ಟ ಬುನಾದಿಯ ಮೇಲೆ ನಾವು ನಮ್ಮ ವೈದ್ಯಕೀಯ ಜೀವನ ಕಟ್ಟಿಕೊಂಡೆವು. ಅಲ್ಲದೆ ನಮಗೆ ರಾತ್ರಿ ಪಾಳಿ ಕೆಲಸ ಇರ್ತಾ ಇರಲಿಲ್ಲ. ಈಗ ಹಾಗಿಲ್ಲ ನಮ್ಮ ವಿಭಾಗದ ವೈದ್ಯರು ರಾತ್ರಿ ಪಾಳಿ ಕೆಲಸ ಮಾಡ್ತಾಇದಾರೆ.

ಪ್ಯಾತೊ ಹಾಡಿನಂತೆ ನಮ್ಮ ವಿಭಾಗದಲ್ಲಿ ಬೇಜಾರು ಇಲ್ಲವೇ ಇಲ್ಲಾ. ದಿನವು ಏನಾದ್ರೂ ಹೊಸ ರಾಗ ಅಲ್ಲ ರೋಗ ಪತ್ತೆಯಾಗುತ್ತೆ. ಅದಕ್ಕೆ ಬೇಸರವೇಕೇ, ಬೇಗ ತೊಂದ್ರೆ ಏನು ಅಂತ ಪತ್ತೆ ಆದ್ರೆ ಚಿಕಿತ್ಸೆ ಸಹ ಸರಿಯಾದ ಸಮಯಕ್ಕೆ ಸಿಗುತ್ತೆ. ಒಮ್ಮೆ ನನ್ನ ಸ್ನೇಹಿತರಾದ ಕ್ಲಿನಿಕಲ್ ವೈದ್ಯರು ಅಪರೂಪಕ್ಕೆ ಲ್ಯಾಬ್ ವರದಿಯಿಂದ ಅವರಿಗೆ ರೋಗ ಪತ್ತೆಯಲ್ಲಿ ಸಹಾಯ ಆಯ್ತು ಅಂತ ಹೇಳಿದ್ದು ಕೇಳಿ, ಖುಷಿಯಿಂದ ನಮ್ಮದೇ ಕೊನೆಯ ತೀರ್ಮಾನ ಖಾಯಿಲೆಗಳ ವಿಷಯದಲ್ಲಿ ಅಂದೆ. ಅವರು ಹೌದು ಆದ್ರೆ ಶೇಕಡಾ ತೊಂಬತ್ತು ನಾವು ಹೇಳಿದ್ದು ಇರುತ್ತೆ ಅಂತ ಹೇಳಿದ್ದು. ಇರಲಿ, ಉಳಿದ ಭಾಗದಲ್ಲಿ ಖಂಡಿತವಾದ ರೋಗ ನಿರ್ಣಯ ನಮ್ಮ ವಿಭಾಗದಲ್ಲಿ ಆಗುತ್ತೆ. ಆದ್ರೆ ಅವರ ಕ್ಲಿನಿಕಲ್ ಡೈಗ್ನೋಸಿಸ್ ಸರಿಯಾಗಿದೆ ಅಂತ ಲ್ಯಾಬ್ ತೀರ್ಮಾನ ಹೇಳಿದ ಮೇಲೆ ಸರಿಯಾದ ಚಿಕಿತ್ಸೆ ಕೊಡಬಹುದು. ಕ್ಯಾನ್ಸರ್ ಅಲ್ಲದೇ ಮತ್ತಿತರ, ಕ್ಷಯ ರೋಗದಂತೆ ಸೋಂಕುಗಳಿಗೂ ಸಮಯಕ್ಕೆ ಸರಿಯಾದ ಚಿಕಿತ್ಸೆ ದೊರೆಯುತ್ತದೆ. ಶಸ್ತ್ರ ಚಿಕಿತ್ಸೆ ನಡೀತಾ ಇರುವಾಗಲೇ ಅಂಗಾಂಶವನ್ನು ಪರೀಕ್ಷೆಗೆ ಕಳಿಸಿ ಫಲಿತಾಂಶ ತೆಗೆದುಕೊಂಡು ಸರ್ಜರಿ ಮುಂದುವರಿಸುತ್ತಾರೆ. ಕ್ಯಾನ್ಸರ್ ಇದೆಯಾ ಇಲ್ಲಾ, ಇದ್ರೆ ಎಷ್ಟು ಹಬ್ಬಿದೆ ಅಂತೆಲ್ಲ ತಿಳಿದುಕೊಂಡು ನಂತರ ಶಸ್ತ್ರ ಚಿಕಿತ್ಸೆ ಪೂರ್ತಿಯಾಗೋದು. ಎಲ್ಲ ವಿಭಾಗಗಳಿಂದ ಬರುವ ಸ್ಯಾಂಪಲ್‌ಗಳನ್ನು, ಥರಥರದ ಪರೀಕ್ಷೆ ಮಾಡಿಸಿ ನೋಡಿ ನಂತರ ಚಿಕಿತ್ಸೆ ಕೊಡುವ ವೈದ್ಯ ವೃಂದದವರು ನಮ್ಮನ್ನು ಎರಡನೇ ದರ್ಜೆಯ ವೈದ್ಯರು ಅಂತ ನೋಡುವುದಿದೆ. ಎಲ್ಲರೂ ಹಾಗಿಲ್ಲ, ಕೆಲವರು ಮಾತ್ರ. ನಮ್ಮ ಪೆತಾಲಜಿ ವಿಷಯ ತುಂಬಾ ವಿಶಾಲ ಮತ್ತು ಆಳ. ತಲೆಯಿಂದ ಕಾಲಿನವರೆಗೆ ಏನ್ ಕಾಯಿಲೆ ಆದ್ರೂ ನಾವು ಡೈಗ್ನೋಸಿಸ್ ಕೊಡುವುದು. ಈಗ ನಾವೂ ಕ್ಲಿನಿಕಲ್ ವೈದ್ಯರು ಅಂತಾಗಿದೆ ಆದ್ರೆ ಅದು ಇನ್ನೂ ಎಲ್ಲಾ ವೈದ್ಯಕೀಯ ವರ್ಗಕ್ಕೆ ಮನವರಿಕೆ ಆಗಿಲ್ಲ. ಏನೇ ಆಗಲಿ ವೈದ್ಯರು ಯಾವ ವಿಭಾಗದವರಾದ್ರೂ ಗುರಿ ಒಂದೇ

ರೋಗಿಗಳಿಗೆ ಸರಿಯಾಗಿ ಪರೀಕ್ಷೆ ಮಾಡಿ ಕಾಯಿಲೆ ವಾಸಿಮಾಡೋದು. ಹೊಸ ಮೆಡಿಕಲ್ ಕಾಲೇಜುಗಳಲ್ಲಿ ಇನ್ನೊಂದಿದೆ, ಚಿಕಿತ್ಸೆ ಕೊಡುವ ಮತ್ತು ಕೊಡದೆ ಇರುವ ಅಂದ್ರೆ ಮೊದಲನೇ ಹಾಗು ಎರಡನೇ ವರ್ಷ ಪಾಠ ಮಾಡುವ ಗುರುಗಳಿಗೆ ಸಂಬಳ ಕಮ್ಮಿ ಕೊಡೋದು. ಇಂತ ಹೊಸ ಕಾಲೇಜುಲ್ಲಿ ಹೆಚ್ಚು ಕೆಲಸ ಇರುತ್ತೆ ಅಂತ ಕೆಲಸ ಮಾಡ್ತಾ ಇರೋರಿಗೆ ಗೊತ್ತು. ಈ ತಾರತಮ್ಯ ಸರಿಯಿಲ್ಲ.

ನಮ್ಮ ವಿಭಾಗದಲ್ಲಿ ಪೆತೋ ಮಾತ್ರ ಇದೆ ಅಂತೇನಿಲ್ಲ, ಯಾಕೆಂದ್ರೆ ವಿನೋದಕ್ಕೇನೂ ಕಮ್ಮಿಯಿಲ್ಲ! ಆಲ್ಕೋಹಾಲು ಕುಡಿದೂ ಕುಡಿದೂ ಲಿವರ್ ಸಿರೋಸಿಸ್ ಆಗಿ ಚಿಕ್ಕದಾಗಿರೋದ್ರಿಂದ ಕೈಗೆ ಸಿಗಲ್ಲ. ಆಗ "ಜಾನೆ ಕಹಾಂ ಇಸ್ಕಾ ಲಿವರ್ ಗಯಾಜಿ, ಪೀಕೆ ಪೀಕೆ ಇಸ್ಕಾ ಲಿವರ್ ಮರ್ ಗಯಾಜಿ" ಅಂತ ಹಾಡಬಹುದು. ನಾನು ಮತ್ತು ಡಾ.ತೇಜಸ್ವಿ ಕಿಮ್ಸ್ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಒಂದು ದಿನ ಹಿಸ್ಟೋಪೆತೋಲಜಿ ಪರೀಕ್ಷೆ ಮಾಡ್ತಾ ಇದ್ದೆ. ಒಂದು ಸ್ತ್ರೀಯ ಗರ್ಭನಾಳ ಅಥವಾ ಡಿಂಬನಾಳ ತೆಗೆದು ಪರೀಕ್ಷೆಗೆ ಕಳಿಸಲಾಗಿತ್ತು, ಅದರಲ್ಲಿ ಪ್ರಸೂತಿ ತಜ್ಞರು ಶಂಕಿಸಿದಂತೆ ಫಾಲೋಪಿಯನ್ ನಾಳದಲ್ಲಿ ಗರ್ಭಧಾರಣೆ ಆಗಿತ್ತು. ನೋಡುತ್ತಲೆ ತೇಜಸ್ವಿ ಹೇಳಿದ್ದು " ದಾರಿ ತಪ್ಪಿದ ಮಗ " ಅಂತ! ನಕ್ಕು ಸಾಕಾದ ಮೇಲೆ ನಾನು ಹೇಳಿದೆ, ಮಗ ಅಂತ ಗ್ಯಾರಂಟಿ ಇಲ್ಲ, ದಾರಿ ತಪ್ಪಿದ ಮಗು ಅಂತ. ಒಂದು ಬೈಯೋಪ್ಸಿ ಕಳಿಸುವಾಗ ವೈದ್ಯರು ಆ ರೋಗಿಯ ವಯಸ್ಸು 24 ವರ್ಷ ಅಂತಲೂ, ಅವರ ಮದುವೆ ಆಗಿ 32 ವರ್ಷವಾಗಿದೆ ಅಂತ ಬರೆದಿದ್ದೂ ಇದೆ.

ಹೀಗೆ ರೋಗಗಳ ಅಧ್ಯಯನದ ಯಾನ ಸಾಗ್ತಾ ಇದೆ. ಗುರಿ ತಲುಪುವ ಹಾಗೇನೂ ಕಾಣೋಲ್ಲ ಯಾಕೆಂದ್ರೆ ವಿಷಯ ಅಷ್ಟು ವಿಸ್ತಾರ, ಕಲಿಯೋದು ಇನ್ನೂ ಬಹಳ ಇದೆ. ಈಗ ಕೂಡ ಹೊಸ ಹೊಸ ಕಾಯಿಲೆ ಪತ್ತೆಯಾಗ್ತಾ ಇರುತ್ತೆ. ನಿಂತ ನೀರಾಗೋದು ಬೇಡಾಂತ, ಹರಿಯೋ ನದಿಯಾಗಿರೋಣ ಅಂದುಕೊಂಡು, "ದೋಣಿ ಸಾಗಲಿ ಮುಂದೆ ಹೋಗಲಿ ದೂರ ತೀರವ ಸೇರಲಿ" ಅಂತ ಹೋಗ್ತಾ ಇದ್ದೀನಿ. ಉದ್ಯೋಗದಿಂದ ನಿವೃತ್ತಿ ಹೊಂದಬೇಕೆ ಹೊರತು ಜೀವನದಿಂದಲ್ಲ ಅನ್ನೋ ಮಾತನ್ನು ನಂಬಿ ನಡೀತಾ ಇದೀನಿ, ಮುಂದೆ ನೋಡೋಣ!

## In Conversation with Lt Col Dr U S Dinesh, Former President, KCIAPM



### INTRODUCTION ➤

Lt Col Dr U S Dinesh is an Army veteran and a recipient of Professor P.N. Wahi Oration Award and Ernst Fernandes Slide Seminar Award both from Indian Academy of Cytologists. He has also been awarded Brigadier M.M Roy Memorial Award from West Bengal Association of Cytologists. An able administrator, he served as Founding Registrar of Shri Dharmasthala Manjunatheshwara University, Dharwad, Karnataka. He is a Past President of KCIAPM, Indian Academy of Cytologist and also is a founding member of Karnataka Chapter of Indian Academy of cytologists.

He is an editor for national and international journals and has mentored many students in the field of pathology. He is currently working as Professor Emeritus at SDM College of Medical Sciences and Hospital, Dharwad.

**Dr Ranjana Ranade** : Sir, It is truly an honor to have the opportunity to sit down with you today for this interview. As a seasoned pathologist with a wealth of experience and expertise, your insights are invaluable not only to the medical community but also to those aspiring to enter the field.



**Dr Aditya Agnihotri** : Throughout your distinguished career, you've undoubtedly encountered a multitude of fascinating cases, navigated complex diagnostic challenges, and witnessed firsthand the evolution of pathology in response to technological advancements and scientific breakthroughs. Today, we're eager to delve into your experiences, gather your perspectives on the current state of pathology, and perhaps even indulge in a few lighthearted rounds of discussion.

**Dr Ranjana Ranade:** Without further ado, let's embark on this journey of exploration and discovery together, as we uncover the many facets of your remarkable career and the exciting future of pathology ahead.

### Professional Background:

**Dr Aditya Agnihotri:** Sir, Can you share a bit about your journey into pathology and what initially sparked your interest in this field?

Lt Col Dr U S Dinesh: Aditya, what inspired me to pursue this story is quite different. When I was studying up to my matriculation, I always thought I would become an engineer because my father owned a large engineering concern in Chennai. However, what happened to change my direction occurred soon after I finished my matriculation. I had been to Manipal for a social function and there one of my cousins, who was studying medicine at KMC Manipal, became very close to me. We used to go everywhere together, and one day he took me to the



Department of Pathology museum. As many of you know, I believe the best pathology museum is in Manipal, and we should commend and congratulate Dr. Ravikala Rao for that fantastic museum.

When I visited the museum, I suddenly found myself developing an interest in pathology. I don't know how it happened, but immediately I wrote to my father, who was in Chennai, informing him that I had decided not to pursue engineering but instead to study medicine. Despite not gaining admission to medical school in my first attempt, I persevered and eventually secured a seat in MBBS after a year of waiting.

During my MBBS studies, pathology was consistently one of my highest-scoring subjects. Whether it was due to my inclination, interest, or the subject's ease, I cannot say, but I received accolades for my performance in college. After completing my MBBS, I joined the army, where I excelled in pathology once again during the Medical Officers Junior Command Course, a program that combines administration and academics.

The turning point in my professional career came when I had to choose a specialization. Despite excelling in both medicine and pathology, there were no available seats in medicine at the time, so I was offered a specialization in Radiology. Reflecting on that moment, I am unsure why I did not choose Radiology, as it might have led me down a different path. However, I have no regrets about my decision. I was determined to pursue pathology, and I went on to complete my MD in Pathology from the Armed Forces Medical College, under the guidance of Brigadier Banerjee, an ardent and enthusiastic pathologist.

Brigadier Banerjee's passion for pathology inspired me to pursue the field further. Despite his administrative responsibilities, he dedicated himself to teaching and guiding us, conducting slide sessions in the Pathology Lab until late into the night. He served as a model of dedication and commitment to the field of pathology.

So, that's the story of how I found my way into pathology, initially through medicine and then into pathology itself.

**Dr Ranjana Ranade:** What are some key milestones or experiences that have shaped your career as a pathologist?

**Lt Col Dr U S Dinesh:**

Dr. Ranjana, I was discussing Brigadier Banerjee with you. He was a very soft-spoken person and had a lot of passion for pathology. He used to meticulously examine slides, often going through as many as 200 at a time, and his memory was remarkable; he could recall details from each of these slides.

Let me share an incident from my time in the Army. I was part of the United Nations Force stationed in Somalia, where we had established a field hospital. One day, we received a call from the American field hospital, which was one of the largest at that time in 1993. Their commandant contacted our commander, requesting the presence of our pathologist and physician at their hospital. When asked why, they explained that they had a patient suspected of having malaria and needed a second opinion.

We were transported by helicopter to the American field hospital. After examining the smear collected from the patient and reviewing the slides in their hospital, we confirmed it was falciparum malaria. Our physician, Dr. Sharma, a good friend of mine, promptly prescribed the necessary medication. After completing our task, we returned to our hospital via helicopter. In those days, such experiences were quite unique.

**Dr Aditya:** How do you stay updated with the latest advancements and research in pathology?

**Lt Col Dr U S Dinesh:**

How do we stay abreast? I don't believe there's any problem in staying abreast, because right from the beginning, I've always advocated for the importance of books and journals. These two resources are crucial; they keep one informed and motivated. Again, I recall the advice of Brigadier Banerjee, who served as both my mentor and guide. He emphasized the significance of dedicating time to books and journals daily, alongside our practical work. In those days, computers and the internet were not as prevalent, but nowadays, with the internet readily accessible, staying updated has become easier.

Furthermore, staying abreast also involves engaging with juniors. I often find myself learning from them. Many times, my juniors point out valuable information from journals or books, and I encourage them to share these resources with me. Collaborating with juniors fosters an environment of continuous learning and growth. Knowledge is not limited to a particular individual or time; it's a collective effort that transcends boundaries.

### **Expertise and Specialization:**

**Dr Aditya Agnihotri:** What specific areas of pathology do you specialize in, and what drew you to those areas?

**Lt Col Dr U S Dinesh:** Yes, Aditya, the field that I was most interested in or directed myself towards is cytology. Two factors drew me towards cytology. Firstly, Brigadier Banerjee played a significant role. At that time, when FNACs were not prevalent, he always advised us to take fresh tissue samples, insert a needle into them, and examine the resulting slides. Secondly, another influential figure was Late Dr. Satyanarayana, a professor in AFMC pathology. He served as the Secretary of the Indian Academy of Cytologists and was a past editor of both the Indian Journal of Pathologist and Microbiologist, as well as the Indian Academy of Cytologist. He was a passionate cytologist, and his encouragement led me to pursue cytology. Despite the apprehension of many senior pathologists towards cytology at that time, Dr. Satyanarayana's support and the challenge it presented motivated me to embrace the field.

Regarding your question about what drew me to cytology, this was one of the main reasons. Additionally, once I entered the field of cytology, I became involved in its administration, particularly within the Indian Academy of Cytologists. We worked diligently to ensure that cytologists in our country gained recognition both nationally and internationally. Through various conferences, CMEs, and workshops worldwide, I contributed to enhancing the reputation of Indian cytologists globally. As a result of these efforts, our cytologists are now renowned among their peers worldwide.



**Dr Ranjana Ranade:** Can you describe a particularly challenging case you've encountered in your career and how you approached it?

**Lt Col Dr U S Dinesh:**

I was personally involved in this case, as it concerned a close friend and army colleague of mine, who also happened to be a colleague from medical college. He had an abdominal mass, and despite prolonged uncertainty and hesitation from clinicians, I suggested he undergo a needle FNAC procedure. Initially met with reluctance, I persisted and advocated for the procedure. The FNAC revealed a leiomyosarcoma. Despite my insistence, there was a delay in surgery, resulting in the tumor growing considerably. Eventually, surgery removed the mass, followed by radiotherapy. For about six years, he remained stable, until a pleural effusion developed, revealing sarcoma deposits. Despite my close involvement and advocacy, the outcome for the patient was ultimately unfavorable, though the case remains significant to me as a challenging and educational experience, which I have shared in various forums. It's a reminder that what we may deem a "good" case isn't necessarily beneficial for the patient, a lesson I emphasize to my students.

**Dr Aditya Agnihotri:** How do you handle disagreements or differing opinions with colleagues when interpreting results?

**Lt Col Dr U S Dinesh :** These problematic cases often leave us in a dilemma, but seeking guidance from seniors, colleagues, and friends can provide valuable insights. Just recently, about 10 or 15 days ago, I encountered a challenging case where a simple conversation led to assistance and a resolution. Effective communication is key; being open to seeking help beyond our immediate circle can be instrumental.

**Dr. Aditya Agnihotri :** Sir two important messages there : setting aside ego, involving colleagues in discussions while reviewing cases, and actively participating in associations and conferences to expand networks and seek second opinions when needed.

**Lt Col Dr U S Dinesh :** I completely agree, especially regarding the significance of associations. From the start, I've stressed the importance of joining such organizations to my juniors. I even provide forms for membership upon graduation. Joining these associations not only contributes to professional development but also offers opportunities to learn from specialists and gain new perspectives. It's a small investment with significant potential returns, fostering both personal growth and a broader understanding of our field.

### **Technology and Innovation:**

**Dr Ranjana Ranade:** How have technological advancements, such as digital pathology, impacted your teaching and practice?

**Lt Col Dr U S Dinesh:** You're posing two questions: one regarding changes in teaching and the other on diagnostic needs. Teaching has evolved significantly, becoming more dynamic. I've embraced the challenge of constantly refreshing class content, ensuring no repetition and incorporating new learning methods like PPT presentations, which I initially struggled with. Digital pathology has revolutionized diagnostics, enabling swift communication and specimen sharing. However, the adoption of digitalization faces obstacles, notably cost. Yet, despite challenges, modern technology continues to enhance pathology practice.

**Dr Aditya Agnihotri:** Are there any emerging technologies or techniques in pathology that you're particularly excited about?

**Lt Col Dr U S Dinesh:** As a professor emeritus, I've been advocating for the adoption of newer technologies, particularly liquid biopsies, to enhance tumor diagnostics and tumor marker detection in cytology. These advancements offer promising opportunities for improved diagnostic accuracy in oncology.

# FUN ROUND

Favourites	Lt Colonel Dr U S Dinesh
Favourite Branch	Cytology
Favourite book	DeMay's Cytology
Favourite Stain	Leishman and Romanowsky
Favourite cell	Robin blue cell that we see in squamous cell carcinoma
Favourite Organ	Soft Tissues

THIS OR THAT	Lt Colonel Dr U S Dinesh
Doctor or Colonel	Colonel
Administration or Academics	Academics
Books or Online material	Books
Traditional microscope or Whole slide imaging	Traditional Microscopy
Cytology or Histology	Cytology

## Reflection and Advice:

Dr Aditya Agnihotri: Looking back at your career, what advice would you give to aspiring pathologists just starting out?

Lt Col Dr U S Dinesh:

Pathologists entering the field should be dedicated and well-educated. They shouldn't choose pathology as a last resort; rather, they should be passionate about their work. Passion can be cultivated in various ways, but it's crucial to be involved, devoted, and always seek guidance from mentors. Remain open to learning and stay updated with the latest advancements. The field of pathology offers vast opportunities, so don't be discouraged if you initially feel hesitant about it. Instead, approach it with passion and commitment.

**Dr Ranjana Ranade : What do you enjoy most about being a pathologist, and what keeps you motivated in your work?**

Lt Col Dr U S Dinesh: See what is making me get involved and passionate about pathology, is that every day is a challenge in pathology, so the diagnostic challenges are what we look forward to, as challenges in life itself is what makes us going forward and as a pathologist, challenges in diagnosis is what keeps me going

**Dr Aditya Agnihotri:** If you could change one thing about the field of pathology, what would it be, and why?

**Lt Col Dr U S Dinesh:** It's a challenging question for me, having spent 40 years in pathology. If I were to pinpoint one thing I'd like to change, it would be the approach to teaching pathology. In the past, postgraduates were deeply involved in hands-on diagnosis at every stage. However, nowadays, hands-on training is diminishing, and there's a reliance on digital resources, such as mobile devices and laptops. There's even the possibility that artificial intelligence could handle diagnoses. What I'd like to see change is a return to the hands-on teaching methods of the past, where students are actively engaged throughout the course. This practical approach is vital and seems to be fading away, and it's something I believe should be reinstated.

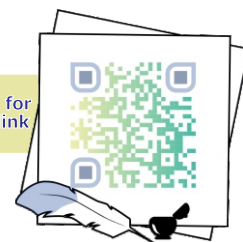
## Interviewed by:



**Dr Ranjana Ranade**  
Associate Professor,  
JGMM Medical College,  
KLEAHER  
Hubballi

**Dr Aditya Agnihotri**  
Associate Professor,  
SDMCMS&H,  
SDM University  
Dharwad

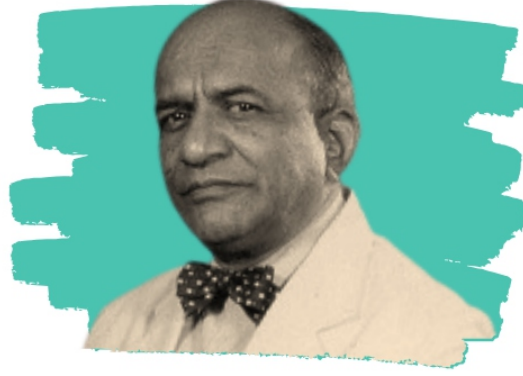
Scan QR Code for  
the youtube link





# NATIONAL PATHOLOGY DAY 2024

## 13TH APRIL 2024



Celebrating the birth anniversary of  
**Dr Vasant Ramji Khanolkar**  
Father of Medical Research and Pathology in India

### Literary Competition Results

#### KANNADA



ರೋಗ ಶಾಸ್ತ್ರ ಜರು- ಆರೋಗ್ಯ ರಕ್ಷಣೆಯಲ್ಲಿ  
ಕಾಣದವೀರರು - Dr Pooja S C

#### ENGLISH- PROSE



**MILES ON THE SMILES**  
- Dr Prashant B Mahalingashetti

#### ENGLISH- POETRY



**Bon Voyage to  
Histopathology -Dr Chaitra N**



**Pathologists- The unsung heroes  
of Healthcare - Ms Samar Mulla**



**Through the shades of purple  
and pink- Dr Soiba Younis**

### Reels Competition Results



**Dr Vasudeva Prabhu,  
Yenepoya Medical College**



**Dr Shashidhara T S ,  
SSIMS&RC,T BEGUR**



**Dr Prakhar Gidwani,  
JSS Medical College, Mysore**





**DR PRASHANT B MAHALINGASHETTI**

Associate Professor, Pathology,  
Karwar Institute of Medical Sciences,  
Karwar

"Why are we waiting?" retorted Sulekha in anguish. Her unkempt hair, forehead creases, frowning eyes marked the bitterness of last few weeks.

It all began when she noticed a small bump in her right breast. She had been to Dr Joshi's surgery clinic on several occasions since then. The subsequent mammogram had shown a star shaped opacity, which the doctor had termed alarming. Dr Joshi, dexterous he was, had needled the bump, collected sparse juicy fluid from it and sent to pathology laboratory.

The next day, Dr Joshi had called for a meet and explained "Sulekhaji, the cytology report reveals absence of cancer cells. As I had briefed earlier, it's only few cells which are dislodged onto a glass slides and examined. Cytology remains merely a screening test. I suggest we have to go for a core biopsy".

Words crashed on her sullen face, as she had expected to be done with the ordeal that day. The next few hours, Dr Joshi had explained the procedure of core tissue biopsy. He went on "Cancer is not the only thing in mind. There might be some early budding stages of cancer, which we call precancerous. A pathologist is adept at identifying them under a microscope in a tissue. Sulekhaji, this core biopsy of tissue followed by pathological evaluation is necessary."

When the doctor had shown the thin threads of tissue dipped in pungent fluid, she had quipped "Are they going to cast magic spell on it to make it talk?" It had been longest week of her life since the core biopsy procedure.

This evening, a full day earlier than the scheduled meeting, she had busted into Dr Joshi's clinic and cried "I am tired mulling over it Doctor. Please answer; do I have cancer or no?"

Dr Joshi calmed her and paged the pathologist for immediate response. "Rest assured mam, don't worry yourself in haste. Dr Ramakant, our chief pathologist has already obtained all details from me. He will soon issue the report" he added.

Just then, the doors flinged and entered a giant of a man "Dr Joshi, your repeated notifications on pager worried me. I choose to bring the report myself instead of punching it into the system".

The newcomer's gaze now turned to Sulekha, "This is best surprise for me today. How are you Sulekhaji. What are you doing here?" with a sheepish smile. She reciprocated joyously "Isn't it Dr Swamy of our bike club. I knew you to be doctor, I apologise, I didn't recognise you were a..."

Dr Ramakant Swamy quipped "PATHOLOGIST" and joined the big laugh. Dr Joshi intervened "That takes away introducing you to each other."

Sulekha now relaxed posed "So, what does the cyclist do here?"

Dr Swamy replied "I have the most interesting job here. Now after our friend Dr Joshi removes tissue at surgery, I process them and take very thin sections of few microns thickness. I stain them with usual Hematoxylin and Eosin. When under my microscope, I examine them".

Sulekha enquired further "Do you look for only cancer in the tissues?"

Dr Swamy replied "Not always. I examine the tissues to answer many other questions from doctor here such as, was it infection, what type of infection it is, was the surgery success and appropriate etc. I can confirm the diagnosis made before surgery. I sometimes have to use special stains to highlight the abnormal. You can also call me "guardian of tissues", as I get to preserve and tag the tissues for further genetic and molecular studies".

Still eyes on Sulekha, he handed over the report to Dr Joshi "I hadn't realised this report belonged to you."

Dr Joshi stared down at the report and smiled "Dr Ramakant, you are gracious as always."

"Sulekhaji, didn't I forewarn you about unnecessarily worrying yourself. The report confirms complete absence of cancer or any pre- cancerous tissue".

Greatly relieved and happy Sulekha thanked both the doctors.

Dr Swamy added on "Oh yes, it's just physiological cyclical changes."

With brightened eyes she exclaimed at Dr Swamy "Cyclical! That reminds me isn't it this evening the mile drive challenge in our club?"

Dr Swamy and Sulekha now turned to Dr Joshi with an appeal.

Dr Joshi remarked "Don't look at me. If Sulekhaji is up to the task, I don't mind. My consultation can wait. Miles on the smiles."

Sulekha now gleefully at Dr Swamy "It's about time now. Why are we waiting?"

# Pathologists- the unsung heroes of Healthcare



**Ms Samar Mulla**

2nd Year MBBS Student,  
East Point Medical College,  
Bengaluru

In the intricate, winding maze of disease, of forms and manifestations, of ignorance and uncertainty, one force remains unseen yet radiant in its mild lighthouse of expert certainty – and that force is the pathologist. The hero of so many anonymous stories of disease, the pathologist is a silent traveler through the labyrinth of condition and its comprehension.

In the labyrinth of healthcare, where the intricate pathways of illness intersect with the quest for healing, there exists a silent force, often unseen but profoundly impactful; these unsung heroes of healthcare navigate the corridors of disease, armed with their expertise, precision, and dedication,

illuminating the shadows of uncertainty with the light of diagnosis and understanding.

Within the hallowed halls of laboratories, amid the hum of machinery and the dance of microscopes, pathologists wield their skills like detectives, unraveling the mysteries hidden within tissue samples, blood smears, and cellular landscapes. Theirs' is a journey into the microscopic realm, where every slide tells a story, and every stain reveals a clue.

At the heart of their mission lies the pursuit of truth - the truth that lies beneath the surface, beyond the symptoms and the surface manifestations. It is here, in the realm of the unseen, that pathologists excel, deciphering the language of cells, decoding the messages of disease, and unraveling the tapestry of pathology.

In the realm of diagnosis, pathologists stand as guardians of accuracy and precision. Their keen eyes and meticulous attention to detail ensure that every diagnosis is not just a verdict but a beacon of hope, guiding clinicians and patients alike towards the path of treatment and recovery. Whether it's identifying the tell-tale signs of cancer or pinpointing the elusive culprit behind a mysterious ailment, pathologists are the linchpins upon which the edifice of healthcare rests.

But their role transcends mere diagnosis; it extends into the realm of treatment and beyond. Through their research and collaboration with other medical disciplines, pathologists contribute to the development of cutting-edge therapies, personalized treatment approaches, and novel insights into the mechanisms of disease. Their work forms the foundation upon which medical advancements are built, shaping the landscape of healthcare for generations to come.

Yet, despite their indispensable role, pathologists often labor in the shadows, their contributions overlooked and underappreciated. Theirs is a silent struggle, a battle fought behind closed doors, far removed from the spotlight of public recognition. But like the silent currents that shape the course of mighty rivers, their influence runs deep, shaping the fabric of healthcare with every diagnosis, every breakthrough, and every life saved.

It is time to shine a light on these unsung heroes, to acknowledge their vital role in the tapestry of healthcare, and to honor their tireless dedication to the pursuit of healing. For in the labyrinth of illness, where darkness threatens to engulf hope, pathologists stand as beacons of light, guiding us towards the promise of a brighter tomorrow. They are the silent guardians of health, the unseen hands that hold the keys to understanding, and the unsung heroes of healthcare.

# Bon Voyage to Histopathology



## Dr Chaitra N

Assistant Professor,  
Sri Siddhartha Institute of Medical Sciences  
and Research Centre  
Tumkuru

There lies an excised specimen that's eager on its mystical journey,  
Diving deep in formalin that's geared up on its knock-out tourney,  
Like a baby twinkling eyes to see the world and face the trails;  
Excited are we 'Pathologists' to join the chorus of tell-tales!

Looking through its length and breadth,  
A Mirror that reflects the extent of growth;  
Downhearted to see the mortal breath of necrosis,  
The tumor stepping into a grave prognosis.

The Majestic tumor striking on the glass slide,  
A Work of art by Diverse patterns sets the stride,  
A rosette like a blooming daisy, or rows as trabeculae,  
Disciplined cops stand in palisaded array,  
Sheets or fascicles, an amalgam of these never an allay!

Cells as round as moon, as spindle as a stan,  
Lays out to solution, one among a million.  
Following the pattern of chromatin,  
Nucleolus or inclusion added as gratin.

Some tumors meek and mild, others fast and furious,  
Subject to histologic type and the tumor grades;  
Counting in numbers the mitotic figures,  
Atypical ones are the horror triggers!

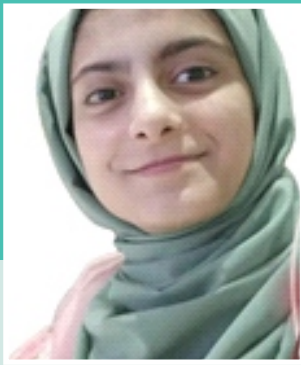
Riding on its vintage motorcycle, tumor keen on its descent and destiny,  
Immunohistochemistry assists on this final testimony;

An endless parade of antigen and antibodies, savors the marker-panel recipe,  
Spots the origin, plots the subtype and escorts to the therapy.

On its nomadic voyage, tumor questions its origin,  
Am I a motherless mass being called a Sporadic? or  
Member of an ancestral family, being called Syndromic?  
Am I born of Mutation, amplification or translocation?  
Karyotyping, FISH or NGS gives the decision.

We are proud to sign the final report,  
Moment of fulfillment beyonds every verdict,  
We are the gates between Entry and exit,  
A summit where every answers exist!

# Through the shades of purple and pink



## Dr Soiba Younis

MBBS Student

Sri Siddhartha Institute of Medical Sciences  
and Research Centre  
Tumkuru

Unveiling the secrets of a human kind ,  
In the hazy fumes of formalin and dyes,  
They do it all, without a single blink ,  
Through the tempting shades of purple and pink .

In labs they toil, unseen by many eyes,  
Pathologists, the silent heroes rise.  
With microscopes, they seek the hidden tale,  
Unraveling mysteries, they never fail.

The Sherlock homes of the medical field ,  
The shining beam to a clinicians eye ,  
Tracing the besieged mystery of a human skin ,  
Through the shades of purple and pink .

In tissue samples, secrets they unveil,  
Disease and health, their stories they entail.  
Through blood and cells, they navigate the maze,  
Guiding us through medical malaise.

Like a sail to a clinicians boat ,  
beneath their lens of a microscope ,  
Pathologists never let their boat sink ,  
Through the shades of purple and pink .

Their hands steady, their minds sharp and clear,  
In the realm of pathology, they steer.

From diagnosis to treatment's light,  
They're the guardians of our health's fight.

Unsung heroes in the medical field,  
Their work a story waiting to be told.  
With precision and care, they pave the way,  
Pathologists, we honor you today.



# ರೋಗ ಶಾಸ್ತ್ರಜ್ಞರು- ಆರೋಗ್ಯ ರಕ್ಷಣೆಯಲ್ಲಿ ಕಾಣದ ವೀರರು "Pathologists – The unsung heroes of healthcare?"



**Dr Pooja S C**  
2nd Year PG,  
Belagavi Institute of Medical Sciences  
Belagavi

ಕಾಣಿಸುವುದು ನಮಗೆ ಕಾಣದ ಜೀವಾಣು,  
ಕಾಣಬಲ್ಲೆವು ನಾವು ಜೀವಕೋಶದ ಪ್ರತಿ ಅಣು  
ರಕ್ತ ಕಣಗಳಲ್ಲಿ ಏರುಪೇರಾಗಿ ಪರಿತಪಿಸುವ ಪಾಡು,  
ಭೇದಿಸುವೆವು ಅವುಗಳಲ್ಲಿ ಆಗುವ ಬದಲಾವಣೆಯ ಜಾಡು.

ನಮ್ಮ ಲೋಕದಲ್ಲಿವೆ ನೀಲಿ ಗುಲಾಬಿಯ ವರ್ಣ,  
ಅವುಗಳ ಸಹಾಯದಿಂದ ಮಾಡುವೆವು ರೋಗದ ಅನಾವರಣ  
ರೋಗ ನಿರ್ಣಯಿಸಿ ಚಿಕಿತ್ಸೆಗೆ ರೂಪಿಸುವೆವು ಸೂತ್ರ,  
ರೋಗಿಯ ಒಳಿತಿನಲ್ಲಿ ನಮ್ಮ ಸಣ್ಣ ಪಾತ್ರ ..

ಸೂಕ್ಷ್ಮದರ್ಶಕವೇ ನಮ್ಮ ಸಂಗಾತಿ,  
ಅದರ ಮೂಲಕ ತಿಳಿಯುವೆವು ರೋಗದ ಸಂಗತಿ  
ಜೀವಕೋಶಗಳ ರಚನಾತ್ಮಕ ಬದಲಾವಣೆಗೆ ನೀಡಿ ಚಿತ್ರಣ  
ಕ್ಯಾನ್ಸರ್ ಅಂಶಗಳ ಹುಡುಕಿ ಪುರಾವೆ, ಕೊಡುವೆವು ದೃಢೀಕರಣ..

ತೆರೆ ಮರೆಯ ಕಾರ್ಯ ನಮ್ಮದು ಜನರಿಗೆ ಅಗೋಚರ  
ಪರದೆಯ ಹಿಂದಿದೆ ನಮ್ಮ ಕಾರ್ಯಕುಶಲೋಪರಿಯ ವಿವರ  
ವೈದ್ಯರ ದ್ವಂದ್ವಕ್ಕೆ ತೋರುವೆವು ಸ್ಪಷ್ಟತೆಯ ಹಾದಿ,  
ಮುಂದಿನ ಚಿಕಿತ್ಸೆಗೆ ಹಾಕುವೆವು ಬುನಾದಿ ..

# THE ROAD LESS TAKEN



**Dr. Rashika Mathur, Dr. Shristi Raj**  
Dr. B R Ambedkar Medical College,  
Bengaluru

**PATHOLOGIST**-The unsung hero who not only helps a clinician in the diagnosis of diseases but is also a talented communicator who is highly skilled in paving a path for life changing treatment.

Pathologists do behind the scenes work. YES! Agreed. Spotlight is always on the clinicians but they can never treat the patient without the help of a pathologist. Generally, whenever patient visits a doctor, they are asked for a number of investigations. Its we pathologists who are constructing these tests and gathering all the information about their diseases. Clinicians are recognized by their stethoscopes. Pathologists are recognized by their microscopes. Its rightly said, By the help of microscopes, there is nothing so small, as to escape our enquiry. Hence there is a new visible world discovered to the understanding. Therefore microscopes are a Pathologist's bestfriend. Rudolph Virchow- one of the 19 th century's foremost leaders in medicine and pathology ,encouraged his students to use microscopes and think 'microscopically'. He stated that all diseases involve changes in normal cells , that is all pathology is cellular pathology. This insight led to big progress in the field of medicine. It meant that disease entities could be defined more sharply.

Despite the crucial role, the pathologists are the ones who work behind the scenes. They collaborate closely with the other clinicians. Our accurate analysis and diagnosis of the diseases help in the treatment strategies. Pathologists play a crucial role in assessing the molecular characteristics of tumor that helps in selection of targeted therapies of the patient. Pathologists also contribute to public health initiatives by identifying the outbreaks of infectious diseases and then they help in controlling the spread of infections by implementing preventive measures to safeguard public health.

However, the pathologists are the unsung heroes of medicine. The contributions of a pathologist is not always acknowledged by the public and sometimes even by the fellow clinicians. Only by acknowledging the vital role of a pathologist, we can appreciate their role and henceforth the medical science can enter into an era of digital pathology, and artificial intelligence to enhance the diagnostic accuracy and improving patient care.

There is also a growing shortage of pathologists in many parts of the world, highlighting the need for recruitment. So its high time the contributions of a pathologist is acknowledged by the society. The NMC has finally given us the due importance and henceforth Pathology is now considered to be one of the clinical subjects of medical science. Today pathologists are making a mark in the field of Telepathology, Artificial intelligence, molecular genetics, genomic imprints and gene therapy. So we have more than enough reasons to be proud and call ourselves doctors who with the help of their microscopes help the mankind. I am proud to be a PATHOLOGIST.

## "Tales from the lab"



**Dr Bhakti Vishwanath Kulkarni**  
Consultant Pathologist,  
Girishekhar Sono Scans and Labs,  
Gadag

I was a 1 st year PG student at my college. It was during my first posting of histopathology. One of our mam gave us a histopathology slide to identify and make a diagnosis. No history was given. Biopsy site was also not mentioned.

Low power view showed few tubular structures dispersed between the stroma. High power view showed few ill formed bigger tubules like structures and few smaller tubular structures, some cysts and stroma.

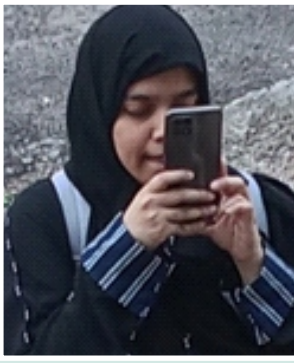
I went back to my histology book. Looked at the structure of kidney. The histology showed glomeruli, tubules, interstitium and blood vessels. Now I started comparing it with the slide that was handed over to me. The slide showed few ill formed glomeruli - that means the glomeruli were not formed properly or were formed properly and then due to disease they underwent changes. The tubules looked somewhat primitive and very few in number. The interstitium looked different. It looked like primitive mesenchymal tissue. There were few cysts lined by flattened epithelium.

I went back to my staff and told her that it is some kidney pathology. She didn't give me the answer instantly. She triggered me to dig more and find the answer. This further increased my curiosity. I went again and started reading and referring the books. There were no inflammatory cells. So I thought it couldn't be inflammatory. There were no florid tumour cells. So, I thought it couldn't be neoplastic. All the tissues looked somewhat not well formed or very much primitive. So I referred to cystic diseases of the kidney. There I got the answer. This experience was first of its kind. Throughout this experience there was a curiosity and later a joy of arriving at the diagnosis. I was and I am thankful to my staff who instilled curiosity in me and guided me.

Renal dysplasia was the answer. How important it is to have a guide/teacher in every phase of life! How the teacher stimulated my thinking to get the answer out of me was very important, which formed the base to my approach for any patient.

I remember James Hillman's quote: "Pathology is not the problem to be solved but the soul's way of working on itself". So truly said. Pathology poses so many questions like what, when, how and most importantly why. This can be applied to many walks of life.

# A Tale As Old As Time- On Literature And Pathology



**Dr. Samia Mohammed**

First Year PG

Deccan College of Medical Sciences,  
Hyderabad

Say Yes to New Adventures

"To see a world in a grain of sand

And heaven in a wild flower

Hold infinity in the palm of your hand

And eternity in an hour"- William Blake

I did not know much about Pathology when I sat to decide my specialty last October but as a writer, the process of weaving an intricately precise tale from images stained in bright hues seemed magical.

Just as Jane Austen's precise prose elegantly captured the diverse personality of her characters, just as Arthur Conan Doyle's detailed descriptive literary style created (and solved) the most complex mysteries- a pathologist too has to identify and describe all the patterns leaping out of microscopic images towards a specific diagnosis.

A book is a portal to unknown worlds full of wonder, a microscope lens provides a peek into the microcosm in all its upheaval and splendor. It's nothing short of a miracle to view such beauty from a single drop of blood or a tiny ribbon of tissue, where each slide sets the stage for a cinematic masterpiece in which cells with their nucleus (and nucleoli) have a role to play, a story to tell.

You can tell a good book by all the new stuff you discover on rereading it. This nuance and rich attention to detail is what I adore about Pathology as well.

Whether it is idyllic descriptions of the countryside or an exhaustive chapter on neoplasia, reflecting on Literature and Pathology has made me realize that it's always been about looking inward and appreciating the little marvels and oddities of life- a tale as old as time.



# SILENT SENTINELS, BEHIND THE SCENE (SOLVING A YOUNG MAN'S MEDICAL BATTLE)



**Dr Ragavi V**

Assistant professor Pathology,  
St. Peters Medical College and Hospital,  
Hosur

Location:

**PATHOLOGY LAB - A REALM OF PRECISION AND INSIGHTS HIDDEN**

Characters:

Dr. Ananya - Senior pathologist

Dr. Arjun Karthik – Surgeon

Dr. Vinay Mayur- Oncologist

Mr. Ashok - Patient

In the heart of a bustling hospital, the pathology lab hummed with a quiet intensity as Dr. Ananya, a pathologist with a gaze as sharp as scalpel, examined a bone biopsy (tissue sample sent in a container with formalin, a fixative chemical) of a young man Ashok who presented with pain and swelling in left forearm to a surgeon, Dr. Arjun Karthik. He suspects a benign tumour (non-cancerous) based on X ray and clinical findings.

But Ananya, felt disquiet tug at her intuition. As she performed grossing (Inspecting and sectioning of the biopsy specimen) of the bony mass which had necrotic areas.

Looking at the histopathology slide (slide with thin section of the tissue stained with stains Hematoxylin and Eosin dyes), Ananya leaned closer, a small round blue cell morphology of the cells indicating a malignancy!!

"Intuition and experience were the cornerstones of pathology" Intuition sparked, Ananya ordered immunohistochemistry (IHC), a technique that uses antibodies to identify specific proteins expressed by the tumour, her key weapon in this silent battle.

She analyzed the IHC stained slides under the microscope which painted a picture of Ewings sarcoma. A cold dread settled over Ananya. Consultations with the expert colleagues of pathology through digital pathology using whole slide scanners (scanning the microscopic slide into digital slide to examine from a remote place) and telepathology (diagnosing pathology through telecommunication networks by sending high quality images or videos). All the consultations confirmed the unsettling truth in this young male. The news devastated Ashok and his family.

But amidst the darkness, there was a flicker of hope, because of the early diagnosis. Ananya explained the situation to Ashok and his family. "The X -rays can be deceiving, Ashok", she said. Lab work identified it as Ewings sarcoma, though sounds scary, catching it early gives you a fighting chance".

She conveyed the diagnosis to surgeon and oncologist. Weeks turned into months as Ashok bravely battled Ewing sarcoma with chemotherapy. Ananya monitored his progress in the lab, her silent war room. Finally, the news arrived - Ewing sarcoma is responding to treatment. A wave of relief washed over Ananya.

One evening, as Ananya switched off the lab lights, she glanced at the meticulously labeled slide- each a story of battle fought and won.

In the world of pathology, a symphony of hope played out, a melody composed of stains, tests and tireless efforts of those who ensured a timely diagnosis. Silent guardians who helped patients like Ashok write a new chapter in their lives.

Dr. Arjun Karthik entered the lab with a grateful smile. Thank you, Ananya, he said. Your sharp eyes and the quick action made all the difference. We surgeons get all the glory, but sometimes it's the folks behind the scenes who save the day. Ananya smiled back, a deep sense of satisfaction warming her chest.

The End

# NATIONAL PATHOLOGY DAY ACTIVITY REPORT

## Karnataka Institute of Medical Sciences, Hubballi

Department of Pathology at KIMS, Hubballi celebrated the National Pathology Day by conducting quiz and Patho-Rangoli for postgraduate students. Chief guest Dr J.H.Makannavar, Former HOD in Pathology Department and Principal KIMS Hubli was felicitated on the occasion.



## Father Muller Medical College, Mangalore

Department of Pathology, Father Muller Medical College, conducted guest lecture with cake cutting to commemorate National Pathology Day. Dr. Jnaneshwari Jayaram, Assistant professor, department of surgical oncology was the guest speaker and spoke on the topic of "Essential relationship between surgeon and pathologist". The guest lecture was highly informative with an apt topic for pathologists as well as surgeons and our role and contribution in patient care.



## Kasturba Medical College, Manipal

The Department of Pathology, Kasturba Medical College, Manipal celebrated the National Pathology Day on April 13<sup>th</sup> 2024. The theme this year was "Pathology in a Capsule" A competition was designed which was open to postgraduates, teaching and non-teaching faculty to create an artwork with the capsule as the central focus. 16 participants registered for the competition and prizes were awarded for literary and art work. A 30 minutes video was shown on AI in Pathology.





## Ramaiah Medical College, Bengaluru

The Department of Pathology, Ramaiah Medical College, Bengaluru celebrated the National Pathology Day by conducting an undergraduate quiz contest along with a faculty development program on the topic "Introduction to ocular pathology-grossing and reporting of common orbital and intraocular tumors" by Dr Shruthi M.K, Senior Consultant, Ocular pathologist and In-charge, Centre for ocular pathology and education (COPE), Narayana Nethralaya Eye hospital, Bangalore.





## J N MEDICAL COLLEGE, BELAGAVI

A formal function was organized with talks on importance of National Pathology Day and role of Pathologists in the present era. The dress code was shades of Hematoxylin & Eosin. Path-Rangoli competition was organized for UG and PG students where a lot of enthusiasm and creativity that showcase the beauty of Pathology was displayed by students. Best three Rangolis in both UG and PG category were awarded prizes. As a part of Educational and Awareness Program, high school students were invited to visit Pathology Museum of J N Medical college, where they were informed about emerging diseases, ill effects of tobacco chewing, smoking, alcohol abuse and junk food with emphasis on risk factors, early diagnosis and prevention of certain cancers.



## Sri Siddhartha Institute of Medical sciences and Research Centre, T.Begur

SSIMS&RC, conducted various competitions for MBBS phase 2 students which included treasure hunt, poster presentation and extempore on the occasion of National Pathology Day.

Glad to witness active participation by students and their creativity in posters. Event concluded by highlighting the importance of celebration of National Pathology Day.





## JGMMMC, Hubballi

Department of Pathology, JGMMMC Hubballi conducted InstaVoice (Pick and speak on topics related to general pathology) and ArchiPath (model making in topic related to systemic pathology) competitions for IInd phase MBBS students.

Models of Rheumatic Heart Disease, Valvular vegetations, Emphysema, Carcinoma Colon, Inflammatory Bowel Disease, Cystic Kidney Diseases, Ovarian tumours, Hodgkin Lymphoma and Multiple Myeloma were prepared and displayed by student groups followed by a short presentation.



## East Point College of Medical Sciences and Research Centre, Bangalore

The Department of Pathology, East Point College of Medical Sciences and Research Centre Bangalore celebrated a quiz program titled "Roller Coaster Ride with Pathologists". Quiz involved six teams of six participants comprising of one from medicine and allied branch, surgery and allied, gynecology departments and all other pre and paraclinical departments . Staff from all the departments from senior residents to Professors participated with great enthusiasm.



## J J M Medical College, Davangere

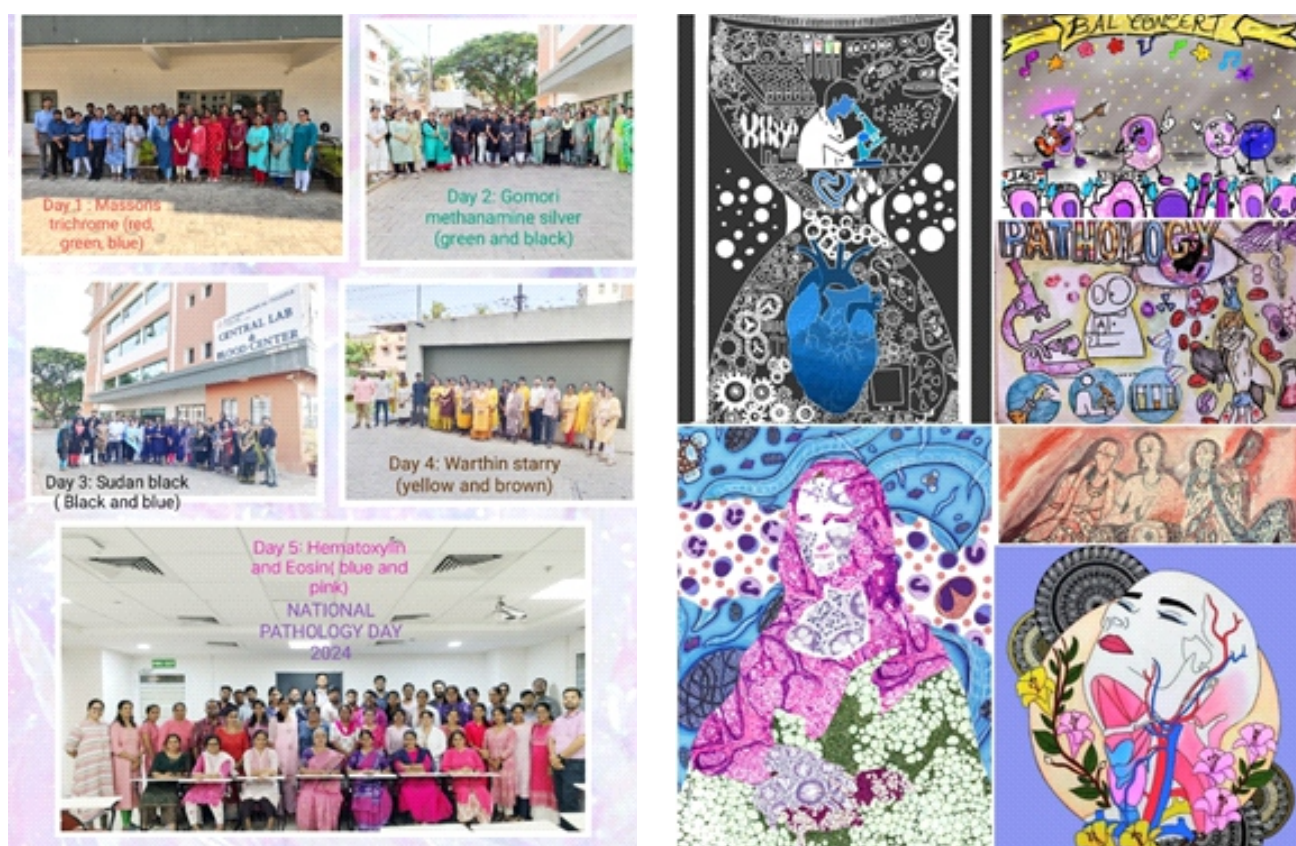
Pathologists of JJM Medical College, celebrated National Pathology Day on 13<sup>th</sup> April 2024. Dr. H. R. Chandrashekar, Professor Emeritus, JJMMC, spoke about the contributions and achievements of Dr. V. R Khanolkar in the field of medical research and field of pathology. Dr. Suresh Hanagavadi, Professor, shared his experiences as pathologist and motivated the young pathologists. The celebration was concluded with cake cutting and cultural activities.





## Kasturba Medical College, Mangalore.

National pathology day was celebrated with week-long events packed with fun and learning. We hosted a series of programs which were educational as well as entertaining. The participation by our enthusiastic postgraduates, undergraduates, teaching and non-teaching staff was well appreciated. We had organized multiple quizzes, both individual and team events and pathology related art and literature events. The talent and zeal shown by the participants were impressive. The highlight of the week was the pathology themed "Treasure Hunt" which was a huge success. We also organized a "Colors of Pathology" week, where we dressed in accordance with the special stain assigned to that day. Finally on 13th April, the National Pathology Day was celebrated with some fun games and entertainment in the department.



## Sapthagiri Institute of Medical Sciences, Bengaluru

Dept of Pathology, conducted PathMemes and Debate for undergraduate students and handed over prizes.





## Kempegowda Institute of Medical Sciences, Bengaluru

Department of pathology, KIMS, Bengaluru celebrated NPD2024 in a unique Way. We held "KIMS SANGAMA" a reunion of past present and future pathologists of KIMS. All past postgraduates from the inception of postgraduate courses at KIMS were invited along with all our senior faculty who retired. The experiences, stories shared by both was emotional and heartwarming. Pathology Faculty who departed us were fondly remembered with a minute of silence in their honour. Retired faculty were felicitated while our pathology PG alumni cut a cake specially designed for NPD.



**Dept of Pathology, SSMC Tumkur**  
conducted Pathonyms competition and Pick and speak competition for postgraduates.





## Hassan Institute of Medical Sciences, Hassan



## Sri Shankara Cancer Hospital and Research Centre, Bengaluru





## KIDWAI Memorial Institute of Oncology, Bengaluru



# 19TH ANNUAL PATHOLOGY CME- 2024

## Shri Devraj Urs Medical College, Kolar

THEME OF THE PROGRAMME – CME on “An Assorted Bag of Glass slides”

CONDUCTED – 2nd March 2024 (Offline mode)

### REGISTRATION:

A total number of one hundred and eighty pathologists had registered for the CME

### INAUGURATION:

Formal inauguration was done by watering the plant, after glass slide viewing under the presence of dignitaries – Registrar Dr. D.V.L.N. Prasad, Principal Dr Prabhakar K, Medical Superintendent Dr Krishnappa J, Organizing Team and all speakers.

We began the sessions with invoking the blessing of the almighty followed by Welcome Speech by Dr TN Suresh, Prof and HOD Pathology, followed by the Presidential Address by our beloved Registrar Dr. D.V.L.N. Prasad, Sri Devaraj Urs Academy of Higher Education & Research

### SESSIONS 1 and 2

First two sessions were for Glass Slide Viewing. These glass slides were collected prior from the speakers and were displayed in the practical hall, along with histories.

### SESSION 3

Cases with a difference: Unfolding into a new story every time- A case seminar-Dr Usha Kini, Professor of Pathology (Research) St John's Medical College, Bangalore.

### SESSION 4:

Pattern based approach to RENAL biopsy: By Dr BH Srinivas, Professor of Pathology, JIPMER, Puducherry. He mainly explained about basics of renal biopsy, normal histology of Kidney, common terminology used and seen during the renal biopsy interpretation.

### SESSION 5:

Session was on Hematooncology by Dr Shankaranand Bharatnur, Associate Professor, Department of Pathology, KMIO, Bangalore. He discussed various hematological malignancies with references to flow cytometry, molecular genetics and prognosis

### SESSION 6:

Dr BH Srinivas delivered the last session and he discussed various cases of nephropathology with reference to special stains, Immunofluorescence, serum studies.

The CME concluded with valedictory function comprising of prize distribution for postgraduates who diagnosed the maximum number of cases correctly and Vote of Thanks by Dr Hemalatha A, Professor of Pathology and Organizing Secretary of the CME. Feedback was taken from all participants by Dr Sneha Kulkarni, Joint Organizing Secretary of the CME.





Dr. Usha Kini - Speaker



Dr. Srinivas DH - Speaker



Dr. Shankaranand - Speaker





## 'Entrustable Professional Activity-In focus' Father Muller Medical College, Mangalore

'Entrustable Professional Activity-In focus' workshop organised by Department of Pathology, Father Muller Medical College in association with Karnataka Chapter - Indian Association Pathologists And Microbiologists on 30<sup>th</sup> March 2024.

The Workshop was of full-day duration. The objective was to sensitise the participants to the concept of entrustable professional activity - based curriculum.

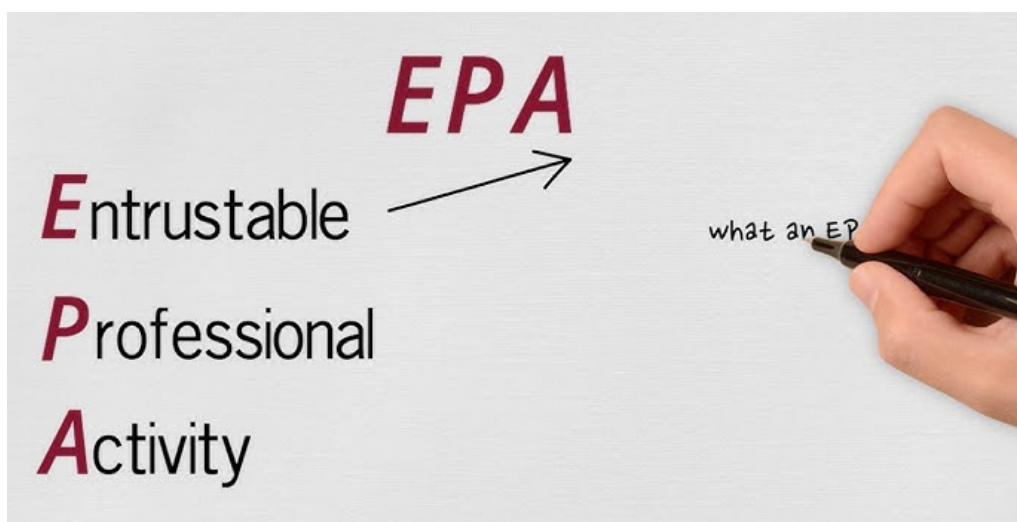
After a highly entertaining ice-breaking session by Dr. Sue Allen D'Souza ,the participants were taken through an overview of competency-based postgraduate medical education document of the NMC followed by basic concept of entrustable professional activity by Dr. Reshma Kini and Dr. Umashankar. This was followed by a session on writing a full description of an EPA by Dr. Vijayshankar S and Dr. Cristina Goveas. Following this a session on how to validate the written EPA with the EQual rubric was done by Dr. Reshma Kini.

The session by Prof. Olle ten Cate the visionary behind the concept of EPAs was conducted online. He gave an overview of the EPA based curriculum and its implementation the world over. One session on EPA assessment was conducted by Dr. Sunita Patil followed by a workshop on validating EPAs by Dr. Nisha Marla and Dr. Chandni Bhandary.

There were 21 participants across 10 medical colleges and three states. The workshop was also attended by faculty from other specialities.

### Highlights of the workshop

1. First of its kind where external validation of EPAs was done at regional level by Pathology faculty of nine medical colleges.
2. Session by the world renowned Prof. Olle ten Cate
3. Release of 'EPA Navigator'- A practical workbook on EPAs consisting of an introduction by Prof Olle and chapters contributed by all resource faculty released during the inauguration. A hard copy was given to all participants.







## Sri Chamundeshwari Medical College, Hospital & Research Institute, Channapatna.

The Department of Pathology organized and conducted National CME on 23rd December 2023 at Lecture Hall, SCMCH &RI in association with Karnataka Chapter – IAPM.

Theme - IMMUNOLOGY AWARENESS: INFECTION, AUTOIMMUNITY AND CANCER.

The National CME was inaugurated by the chief guest Dr.Sujay Prasad, KCIAPM – President, Laboratory Director, Neuberg Anand Academy of Laboratory Medicine, Bangalore along with Dr.Pravin.G.U, Principal, Dr.Roshan Kumar, Medical Superintendent, Dr.Nanjaraj, Viceprincipal, Dr.Vamseedhar Annam, organizing chairperson and Dr.Siddegowda MS, organizing secretary



### 'HANDS-ON FLOWCYTOMETRY – LEARNING BY DOING'

The Department of Pathology organized and conducted National workshop on 22nd & 23rd December 2023 at MEU Hall, SCMCH &RI in association with Karnataka Chapter – IAPM and Hybrinomics Life Science and Diagnostics, Bengaluru.

The program sessions started with introduction and demonstration about flow cytometry by Dr.Sanjay Mallik, Flow Research Scientist, Hybrinomics Life Science and Diagnostics. Sample preparation and Wet lab i.e. hands on training by Dr.Prabhu Meganathan, Lab. Director, HLSD and Mr.Badrinath, Thermoscientific New Delhi. Data Analysis and case discussions were done systematically by Dr.Madhumati DS, Hematopathologist, Aster Lab., Bengaluru.



# Dr Chandramma Dayananda Sagar Institute of Medical Education and Research

1. Inauguration of a module for gall stones in pathology museum
2. CME titled 'PATHDERMA' conducted on 18th April 2024 at







# KCIAPM

## Obituary

IN MEMORY OF



Dr. Indraraj Patil Itagi



It is with deep sorrow that we announce the passing of Dr. Indraraj Itagi, Professor and Head of Pathology at Yadgir Medical College and Ex Principal, RIMS Raichur on 14th January, 2024.

A dedicated educator and compassionate mentor, Dr. Itagi's contributions to medical education and research will be cherished forever.

His commitment to the field of pathology has left an indelible mark, impacting the lives of countless students and colleagues.

As we bid farewell to a respected leader, our thoughts and condolences are with his family, friends, and the entire medical community affected by this profound loss. May his soul rest in eternal peace.





# KCIAPM

## Obituary

*IN MEMORY OF*



Dr. Raghavendra Prasad



It is with deep sorrow that we announce the passing of Dr Raghavendra Prasad, Consultant Pathologist, Mandya Diagnostic Center on 9th March, 2024

We bid farewell on his journey to heavenly abode. Our thoughts and condolences are with his family, friends, and the entire medical community affected by this profound loss.

May his soul rest in eternal peace.







DEPARTMENT OF PATHOLOGY  
JAWAHARLAL NEHRU MEDICAL COLLEGE

KLE ACADEMY OF HIGHER EDUCATION  
AND RESEARCH, BELAGAVI  
Invites you to

## GOLDEN JUBILEE CONFERENCE OF KCIAPM

50<sup>th</sup> ANNUAL  
STATE CONFERENCE

# KAPCON 2024

"GOLDEN CHAPTER:  
50 Years of Bridging Knowledge and  
Inspiring Progress"

Dates:  
Preconference Workshop :  
18<sup>th</sup> October 2024  
Conference :  
19<sup>th</sup> & 20<sup>th</sup> October 2024

Venue: KLE Centenary Convention Centre

# THE TEAM BEHIND KAPCON 2024

