



Bapuji Educational Association (Regd.)

# SSIMS TIMES



Vol: 19 Issue : 01 Jan - Mar 2024

Official Quarterly News Bulletin of SSIMS & RC , Davangere





**Plastination Laboratory Team**



**CME : Breast Cancer**



**CME : Broadening Pathology Horizons**



**NABL Aceditation Team**



**Model Making Competition by Anatomy Dept.**



**S.S. Care Trust Activities**







Bapuji Educational Association (Regd.)

**S. S. Institute of Medical Sciences & Research Center,  
Davangere - 577 005**



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**Editorial Office: DEPARTMENT OF BIOCHEMISTRY**

Extn. Nos. : 08192-266315 E-mail: [ssimstimes4u@gmail.com](mailto:ssimstimes4u@gmail.com)

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**College office : NH-4, Bypass Road, Davangere - 577 005**

Phone : 08192-266301,266302,261808. FAX : 08192-266310

E-mail : [principalssimsr@gmail.com](mailto:principalssimsr@gmail.com) Web site : [www.ssimsr.com](http://www.ssimsr.com)

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## Principal's desk



On behalf of SSIMS and RC, I would like to convey my heart felt wishes to our beloved dynamic Chairman Sri SS Mallikarjun, for his continuous support in all round development of our institute.

Further more I would like to thank our Chairmen Sri SS Mallikarjun who is instrumental in establishing a State - of the Art Plastination Laboratory in Anatomy Department @ SSIMS & RC, Davangere & the Professor & HOD of Anatomy and the faculty Who were actively involved in Plastination of Specimens including whole body which will help in quality of teaching and understanding of Anatomy by the UG & PG Students of SSIMS & RC. I wish all of you happy & eventful new year - 2024

**Dr. B.S Prasad**

## Editor's desk



On behalf of the editorial team, I would like to express my gratitude to our beloved Chairman Sri SS Mallikarjun for his continuous encouragement and extra-curricular activities of the institute. Further, I congratulate our Chairman Sri SS Mallikarjun for Establishing a Plastination Laboratory in Anatomy Department for the Benefit of UG & PG Students of SSIMS & RC.

I thank all the staff & students who have contributed articles to SSIMS TIMES. Furthermore, I request the teaching faculty to send the **Selected quality photos in JPEG only** for publishing in SSIMS TIMES. I extend my thanks to the **SS Care Trust** which has been regularly organizing health screening of rural women, children & adults around Davangere District. I wish all of you happy & eventful new year - 2024

**Dr. Mallikarjuna C.R.**

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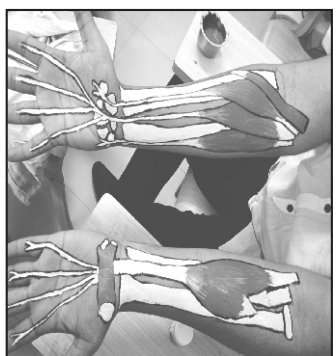
## Departmental Activities

### Department of Anatomy

Bhruna madari (Embryology Model making), Rangachan (BodyPainting) Rangansh (Histology Drawing using Rangoli)" competition for the students of 1st Year MBBS, 2023-24 batch SSIMS&RC was successfully conducted on 10th February 2024.

The function was inaugurated by the Principal Dr. B S Prasad. Students prepared the models using waste papers, the mocol and clay. Drew histology diagrams using rangoli, and painted the anatomical regions like cubital fossa and shouder joint.

The competition was judged by Dr. Shashikala P, vice principal, Dr. G F Mavishetter Prof, Dr. Nirmal D, prof & HOD JJM Medical college. The students were guided by Dr. Shailaja C Math, Professor & HOD, Dr. Raghavendra A Y, Prof, Dr. Santosh Bhosle Prof, Dr. Nagaraj Mallashetty Associate prof, Dr Veeresh Itagi, Associate professor.



### Establishment of Plastination laboratory in the department of Anatomy

The plastination laboratory was established in the Department of Anatomy. The process started with the import of equipment and chemicals from Biodur, Germany, which reached the lab on 22nd of January 2024. Meanwhile initial inspection was conducted On 3rd January 2024 by Mr Ravishankar, Consultant PESO, Bangalore for the safety in laboratory and storage of acetone. Site inspection was undertaken. He delivered a talk on Laboratory safety and PESO norms for storage of chemicals like acetone.

With the arrival of Mr Sebastian Pilz on March 22nd 2024, the equipment installation began. The lab was fully functional by 26th march 2024. We are undertaking the plastination of small specimens and whole body. It will be completed around November 2024.

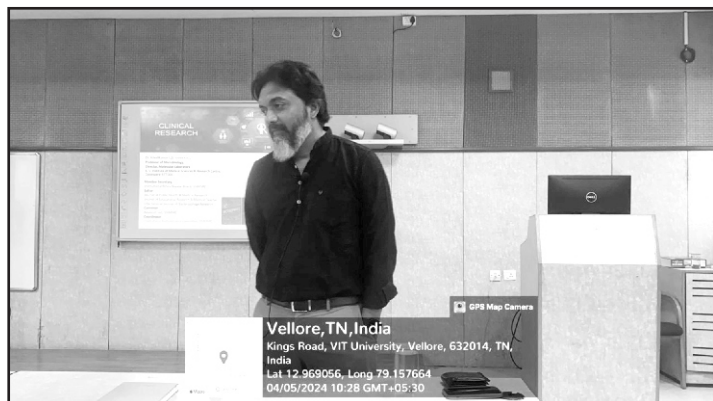
### Department of Physiology

**Guest Speaker :** Dr. Soumya. B. A has delivered an informative Lecture as a Guest Speaker on the Topic "Overview of Nervous System" at Tapovana Ayurvedic Medical College and Hospital, Doddabathi, Davangere on 21/3/2024

### Department of Microbiology

Dr. V.L Jayasimha, Professor and Head of Microbiology, S.S. Institute of Medical Sciences and research Centre, delivered a talk on Career in Medicine 22nd Edition of The Hindu Education Plus Career counselling 2024, Karnataka on 28th April 2024, at Bapuji B School, Lakeview Campus, S.S Lay out, Shamanur Road, Davangere.





### Department of Community Medicine

1. Dr. Manu A S Assistant Professor, facilitated the National level hands on workshop on "Transform your research with Artificial Intelligence" on 5th & 6th January 2024 at JJMMC, Davangere.

2. Dr. Muhammad M G, Assistant Professor, attended the National Conference IAPSM from 8th to 10th February 2024 which was held at Kasturba Medical College, Mangalore and presented an oral scientific paper.

3. A guest lecture was organised in the Department of Community Medicine SSIMS & RC on 28th February 2024 for postgraduate students of Department of Community Medicine of SSIMS & RC & JJMMC, Davangere. PGs, faculty and interns of both colleges attended the session. The speaker was Dr. R P Pai, and the topic was "To face exams easily and career opportunities for PGs."



### Department of Pathology

**03.01.2024** : A voluntary blood donation camp was organized by S. S Care Trust at Jagajeevan nagar, Davangere. Dr. Ninale Minakshi S, Assistant Professor, Dept of Pathology along with postgraduates, Interns, Technicians and staff nurse conducted the camp.

**13.01.2024** : Pratigna blood donation awareness & prevention of anaemia awareness drive was conducted at MBA auditorium for students of Pharma-D, B-Pharma & D-Pharma. Programme was organised by Pharmacy College principal Dr. Basavaraj. Dr. Shashikala P, Professor & Head, Dept of Pathology spoke on the significance of blood donation as well as prevention of anaemia. Session was also made interactive by inviting question from the audience. Dr. Kavita G U, Professor, Dept of Pathology also participated in the interactive session. Students were alert, interested, active & expressed their willingness for blood donation.

**20.01.2024** : Dr. Shashikala P attended & chaired a session in the CME-"Breast Cancer Today An emphasis on multi disciplinary approach" conducted by Academy of Pathology at BMCRI, Bengaluru. Dr Bhanu postgraduate student also attended the CME.

**22.01.2024 to 03.02.2024** : The following faculty attended & completed the Foundation course on education methodology conducted by RAATI on the LMS platform, Dr. Shashikala P, Dr. Kavita G U, Dr. Deepti Pruthvi, Dr. Neetha Y, Dr. Rajashree K, Dr. Sreevidyalatha G M, Dr. Disha B S, Dr. Ninale Minakshi S, Dr. Ramyashree G, Dr. Pruthvi D & Dr. Sathya shree KV.

**10.02.2024** : A voluntary blood donation camp was organized by S. S Care Trust at DCM Township, Davangere. Dr Ninale Minakshi S, Assistant Professor, Dept of Pathology along with postgraduates, Interns, Technicians and staff nurse conducted the camp.

Dr. Prabha Mallikarjun, Life trustee, was the chief guest.

**10.02.2024** : Dr. Shashikala P. attended Model making/ Rangoli competition in Department of Anatomy, conducted at SSIMS & RC, as one of the chief guest and judges.





**05.03.2024** : Dr Shashikala P attended CME on "Broadening Pathology Horizons" conducted at Khaja Bandanawaz University- Faculty of Medical Sciences, Department of Pathology. She was the guest speaker and spoke on "Lesion Spectrum- A Visual Exploration of Diverse Body Pathologies". Dr Anuradha, Dr Akanksha, Dr Bhanu also attended the CME as delegates.

### Department of General Medicine

Dr. Yeshwant G , Dr Siddesh , Dr. Aarthik , Dr. Nikhil kumar DG, published an article "clinicopathological profile and its association with endoscopic findings in dyspeptic patients in tertiary care hospital - a cross sectional study " in South East Asian journal, volume 15.

Dr. Peersab MPinjar and Dr. Joshua Prasad K S published a paper on " a study of rheumatoid factor and its relation to ischemic heart disease" in journal of cardiovascular disease research volume - 15.

Dr. Nikhil kumar D. G, 3rd year junior resident participated in APICON, Delhi and presented a poster "clinicopathological study of renal biopsy in tertiary care hospital under nephrology and secured 2nd place under nephrology.

Dr. Mahitha. L. C, presented a poster- brain bleed spontaneous intracranial hemorrhage secondary in severe sepsis secondary to disseminated intravascular coagulation - a case report

3rd year JRs participated in MPMRT annual medicine update held in MMC, Mysore, Dr. Nikhil kumar D.G and Dr. Joshua Prasad. K. S secured third place and Dr. Jagadish Biradar and Dr. Vijaykumar. D.V. secured fourth place in quiz.

Dr. Mahitha. L.C, Dr. Nikhil kumar D. G, Dr Joshua Prasad K. S and, Dr. Aarthik attended CME APICON 2024 at Delhi and Dr Joshua Prasad K. S presented poster "myasthenia gravis masquerading as post-polio syndrome" and secured fifth place.

### Department of Orthopaedics

#### Attended National Conference :

Dr. Kiran G U Asso Professor , Dr. Druva Asst Professor about Pune Knee Course form 10th to 13th January 2024 at Pune.

#### Attended the State Conference :

Dr. Manjunath J Prof & HOD, Dr. Venkataramana Rao.M Professor ,Dr. Srinath SR Professor at KOACON 2024 from 2nd to 5th February 2024 at Shivamogga.

Dr. Avin V. II year P.G student presented a paper on "**A prospective study to determine the clinical and radiological outcomes of unstable pertrochanteric femur fractures treated by long proximal femoral nail A2**" under the Guidance of Dr. M Venkataramana Rao. Prof & Unit Chief, Dr. Amith S K, Assistant Professor, at State Orthopaedic conference - KOACON 2024 at Shimogga, from 2nd to 5th February 2024.

**Dr. Harshith Y Petkar** II year P.G student presented a paper on "**A prospective study to determine the functional outcome of Tibial Plateau Fractures treated with Subchondral Raft System**" under the Guidance of Dr. Manjunath. J Prof & HOD, Dr. Kiran GU, Associate Professor, at State Orthopaedic conference - KOACON 2024 at Shivamogga, from 2nd to 5th February 2024





**Dr. Rajeev Ranjan** II year P.G student presented a paper on **"A prospective study of functional outcome in the surgical decompression of degenerative lumbar canal stenosis"** under the Guidance of Dr. Srinath S R Professor and unit chief, Dr. Shashidhara H, Assosciate Professor, at State Orthopaedic conference - KOACON 2024 at Shivamogga, from 2nd to 5th February 2024.

**Dr. Vikas H V** II year P.G student presented a paper on **"A functional study of Tibial shaft fractures treated wth Suprapatellar v/s Infrapatellar nailing technique "** under the Guidance of Dr. Sachin N S Professor, Dr.Druva, Assistant Professor, at State Orthopaedic conference - KOACON 2024 at Shivamogga, from to 2nd to 5th February 2024

**Dr. Sharanu H** II year P.G student presented a paper on **"A prospective study of comparision between intramedullary TENS and plate osteosynthesis for midshaft fractures of clavicle "** under the Guidance of Dr. Praveen Anvekar Professor, Dr. Amith S K, Assistant Professor, at State Orthopaedic conference - KOACON 2024 at Shivamogga, from to 2nd to 5th February 2024

**Dr. Akshay Chari, Dr. Ankit Hariyani, Dr. Mishal Rodrigues, Dr. Sachin M and Dr. Thejas Shetty,** Third year post graduates attended **Mangalore orthopaedic course, KSHEMA, Mangalore, KA** held from 16th -18th February 2024 and presented cases on 'Internal derangement of knee, Birth Brachial plexus injury and Leprosy with Foot drop.The Orthopaedic Camp at Harapanahalli ,Vijayanagara [D], was conducted on 20/02/2024, by Dr.Praveen M Anvekar PGs & Interns, where 192 patients got screened for Orthopaedic conditions.

**Dr. Manjunath. J.** Prof & HOD attended as a faculty the **PG teaching program, ESIC MC PGIMSR and Model Hospital, Bangalore, KA** held on 23rd March 2024.

Under the Guidance of Dr.Manjunath.J. Prof & HOD, Dr Akshay Chari, Dr Ankit Hariyani, Dr Mishal Rodrigues and Dr Sachin M Third year post graduates attended, PG

**teaching program, ESIC MC PGIMSR and Model Hospital, Bangalore, KA** held on 23rd March 2024 and presented cases on Malunited Colle's Fracture, Non Union Fracture Humerus and Cubitus Valgus deformity.

### Department of Psychiatry

1. Dr. MRUTHYUNJAYA N, Professor and HOD, addressed the government primary school teachers about "LIFE SKILLS EDUCATION" organized under District Mental Health Programme on 17th of January 2024 at Bharath sevadal kacheri, Davanagere.

2. Dr.SHASHIDHARA H L,Professor and Dr. KAVYA 3rd year postgraduate attended ANCIPS 2024 75th Annual National Conference of Indian Psychiatric SocietyOrganised by Indian Psychiatric Society Cochin Local Branch, Le Meridien, Kochi, Kerala, from18th - 21st January, 2024

3. Our postgraduates Dr.Kavya ,3rd year,Dr.Shibani ,2nd year participated in IPSKC PG QUIZ which was on 23rd and 24th of February 2024 at NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES, Bengaluru

4. All the PG's and staff of DEPT OF PSYCHIATRY attended JJMMCPSY -CME -2024 organised by JJMMC,Davanagere. Topic 'FORENSIC PSYCHIATRY', on 3rd of march 2024

5. Dr Kavya final year postgraduate got selected for zonal round of TYSA(Torrent Young Scholor Award) psychiatry quiz and secured 1st runner up in south zone and will be representing south zone in national round which will be held at Ahmedabad.





### Department of Pulmonary Medicine

1. Dr Anup Banur, Professor, published a case report in "Cureus" Journal - "Hemoptysis secondary to anomalous origin of right pulmonary artery from ascending aorta in a young male - A case report" in January 2024.

2. Dr Anup Banur, Professor, attended ICS(Indian Chest Society) State Conference held in BMCH, Chitradurga on 17/03/2024 as a Judge for poster presentations.

3. Dr Basavarajeshwari presented paper on topic "An association between handgrip strength and spirometry parameters in COPD patients" in NATCON'23(78th National Conference of Tuberculosis and Chest diseases) at Thrissur, Kerala, Feb 2nd-4th, 2024.

4. Dr Srinivas presented paper on "Study on cutaneous hypersensitivity to aspergillus fumigatus antigen by skin prick test" in ICS State Conference 2024 on 17/03/24 and attended a training programme on NTEP at NTI, Bengaluru from Jan 29th -Feb 2nd, 2024.

5. Dr Sini presented paper on topic "Knowledge and attitude regarding obstructive sleep apnoea among medical postgraduate in a tertiary care center in Davangere : a cross-sectional study " and secured first place in paper presentation in NATCON'23(78th National Conference of Tuberculosis and Chest diseases) at Thrissur, Kerala, Feb 2nd-4th, 2024.

6. Dr Basavaraj Eshwari, Dr. Srinivas, Dr. Sini attended "16th South Zone Post Graduate CME in Pulmonary Medicine", Feb 10-11, 2024 at Yashoda Hospital, Secunderabad.

7. Dr Srinivas, Dr Sini attended workshop on Interventional Pulmonology (Basic bronchoscopy and thoracoscopy), organised by Anantham Trust at Guttepalya, Bangalore on 28.01.2024.

8. Dr Aiswarya, Dr Vinay D, Dr Darshan attended workshop on Interventional Pulmonology (Basic bronchoscopy and thoracoscopy), organised by Anantham Trust at Guttepalya, Bangalore on 28.01.2024.

9. Dr Aiswarya attended NATCON'23 (78th National Conference of Tuberculosis and Chest diseases) at Thrissur, Kerala on Feb 2nd-4th, 2024 and attended Basic Bronchoscopy workshop (02/02/24) and participated in National PG TB Quiz semi-finals.

10. Dr. Aiswarya presented E-poster on "Black Fungus-Silent but Lethal" in NATCON'23 on 04/02/24 at Thrissur.

11. Dr. Darshan and Dr. Vinay D attended ICS State Conference 2024 at B.M.C.H CHITRADURGA on 17/03/24.

12. Dr Vinay D presented paper on "Awareness /knowledge about E-cigarettes /vaping among medical undergraduates and Interns of a medical college hospital" in ICS State Conference 2024 on 17/03/24 and secured First Place in Oral paper presentation.

13. Dr Darshan presented poster on "Unusual presentation of Tubercular pericardial effusion" in ICS State Conference 2024 on 17/03/24.

14. Dr. Aiswarya, Dr. Vinay D, Dr. Darshan attended CME programme on Extra-pulmonary Tuberculosis on the occasion of World TB Day on 24th March, 2024 at National Tuberculosis Institute, Bangalore and participated in Post Graduate Quiz on Tuberculosis.

13. Dr. Darshan presented poster on "Unusual presentation of Tubercular pericardial effusion" in ICS State Conference 2024 on 17/03/24.

14. Dr. Aishwarya, Dr. Vinay D, Dr. Darshan attended CME programme on Extra-pulmonary Tuberculosis on the occasion of World TB Day on 24th March, 2024 at National Tuberculosis Institute, Bangalore and participated in Post Graduate Quiz on Tuberculosis.

### Department of Ophthalmology

#### Poster presentation at AIOC-2024 at Kolkata

1. Pradeep N, 3rd year PG presented a e-poster on the topic "tapeworm with ptosis and proptosis" rare presentation of ocular mycoticosis.





2. **Dr. Vishal A**, 3rd year PG presented a poster on the "To study the prevalence of refractive error in school children in suburban area of Davangere".

### Department of Dermatology venereology & leprosy

#### Attended conference :

1. Dr. Sheetha C H & Dr. Divya, Postgraduate students, department of dermatology has participated as delegate in the CME "Leprosy free India way forward", held on 6th & 7th January -2024 at Mysore

2. Dr. Manjunath Hulmani, Professor & HOD, & Dr. P. Priyanka, Dr. Manisha M, Dr. D Jaswitha, 1st year Postgraduate students in department of dermatology has participated as delegate in the CME "DERMABASICS-2024", held on 28th January 2024 at Ballari.

3. Dr. Shreyas Kololgi, Dr. Abhishek Reddy & Dr. Sheethal H S, 3rd year postgraduate students in department of dermatology have participated as delegates in conference "DERMACON-2024", at National conference of IADVL, Hyderabad from 22nd to 25th, February 2024 to attend the conference.

4. Dr. Shreyas Kololgi was **awarded with PROF. F. Handa award for best paper presentation** for the study done on - A split face study of efficacy of fco2 laser with platelet rich plasma vs dermaroller with PRP in acne scars

5. Dr. Shreyas Kololgi was awarded with **scholarship for dermacon 2024**.

Postgraduate students	Poster	Paper
Dr. Shreyas Kololgi	Sudden bullous eruption in a healthy infant- a diagnostic dilemma.	A split face study of efficacy of fco2 laser with platelet rich plasma vs dermaroller with PRP in acne scars
Dr. Abhishek Reddy	-----	Down's syndrome with a autoimmune puzzle.
Dr. Sheethal	----	A rare case of erythroderma desquamativum-Leiners disease.

#### CME

1. Hair Mesotherapy workshop was organized by Davangere Dermatologists Association in association with SSIMS & RC & JJMMC Davangere, on 7/4/2024, Sunday at Library Auditorium, JJMMC, Davangere attended to all PGs & staffs.

### Case Report

#### Department of Anesthesia

**Ultrasound guided femoro-popliteal nerve block in patient with chronic atrial fibrillation posted for debridement of lower limb- a case report**

**Dr Dheeraj Patel (Professor); Dr. Arunkumar Ajjappa (H.O.D) Dr Ananya Krishna Bhat(post-graduate) Dept of Anesthesia, SSIMS & RC, Davangere.**

**Introduction :** Patients with severe cardiac disease are at risk of anesthesia complications, and peripheral nerve block provide more stable operative hemodynamics than general or neuraxial anesthesia. We present a case of patient with chronic atrial fibrillation and dilated cardiomyopathy that was administered with ultrasound guided femoral and popliteal sciatic nerve block. Successful perioperative management of these patients requires careful teamwork.

**Case history :** 63year old female with h/o three-year-old implanted plates to right distal fibula presented with discharge from surgical site posted for debridement.

Patient was a K/C/O dilated cardio myopathy, with h/o CAG one year back with ramus inter medius showing 40% stenosis (minor CAD) and also K/C/O atrial fibrillation for one year.

Patient's being treated with TAB aspirin 75mg, and TAB AMIDARONE 200mg BD.

Preoperative 2D echo showed IHD, with RWMA in distal L.V, with severe left ventricle dysfunction with ejection fraction being 30%, with ECG showing atrial fibrillation (f.v.r)



At preanesthetic checkup all necessary investigations done. Intraoperatively all standard ASA monitor attached; Patient was sedated with injection midazolam 1mg I.V and injection fentanyl 50mcg I.V and was supplied with O<sub>2</sub> 2L/min via nasal prongs. Right radial arterial line was secured. Procedure was done under aseptic USG guided right femoral and right popliteal nerve block with 15cc of 0.5% bupivacaine + 10cc of 2% lignocaine with adrenaline (one in two lakh).

Patient was stable intraoperatively with postoperative period being uneventful.



**Discussion :** Procedure was done under regional anesthesia, which provided complete sensory and motor blockade, hence neuraxial/general anesthesia could be avoided reducing polypharmacy and related complications.

In high-risk patients with significant cardiovascular and other systemic disorders, scheduled for below-knee surgeries, administration of central neuraxial block or general anesthesia is usually associated with adverse hemodynamic effects and increased risk of perioperative mortality.

With knowledge of dermatomes, myotomes of lower limbs and the use of ultrasound guided precise perineural deposition of local anesthetics, there is an increase in the success rate with prolonged duration of blocks and decrease in incidence of complications.

**Conclusion :** Management of increasingly common and complex group of patients with cardiac disease who require noncardiac surgery requires multimodal approach to avoid potentially catastrophic outcomes.

Complications can be avoided by careful perioperative management strategies.

## References :

Choi YS, Shin HJ, Park JY, Kim HJ, Yun SH. Ultrasound-guided femoral and popliteal sciatic nerve blocks for below knee surgery in patients with severe cardiac disease. *Korean J Anesthesia* 2015 Oct;68(5):513-5.

Chia N, Low TC, Poon KH. Peripheral nerve block for lower limb surgery-a choice of anesthetic technique for patients with a recent myocardial infarction? *Singapore Med J*. 2002; 43:583-6

Honda A, Arai T, Akiyama M, Masuda E, Kobayashi M, Hoka S. Anesthetic management of a patient with a history of Batista procedure for dilated cardiomyopathy undergoing gastric surgery. *J Anesth*. 2006; 20:227-230.

## Department of Pediatrics

### A Case Report of Infantile Hemangioma of Upper Lip Affecting Breathing and Breastfeeding.

**Dr. Chandrasekhar Gouli 1, Dr. Latha G S 2, Dr. Manjunath L 3, Swathi M 4, SwethaGopan 5, Shibendra Mandal 6,**

#### Abstract :

Infantile hemangioma is a benign tumor of vascular endothelium in children which can be treated by laser therapy, drug therapy, and surgery. In most cases, hemangioma doesn't require any intervention as it fades over time. We present a case of infantile hemangioma of the upper lip which affected the baby's breastfeeding and breathing. The infant was treated initially with oral propranolol for 3 days and then switched to ointment timolol to continue for 9 months. Advised to have a regular visit to OPD (out-patient department) for further monitoring.

**Keywords:** Infantile hemangioma, beta-blockers, breastfeeding, breathing





## Introduction :

Infantile hemangioma is a benign vascular tumor that develops in an organ, beneath the skin, or in the tissue above the skin. They often present as intense red or blue lesions on the skin however; they can also be elevated or flat. Even though they often develop on the skin of the head and neck, they can occur elsewhere on or in the body. Infantile hemangiomas often develop 3 to 6 weeks after birth; they are not visible at birth. In most cases, they grow bigger, stop expanding, and gradually disappear on their own. The most prominent kind of infant vascular tumor is infantile hemangiomas.<sup>1</sup> The most prevalent tumors in infants are infantile hemangiomas, which affect the head and neck in 65% of cases.<sup>2</sup>

## Case Study

A 3-month-old girl baby presented to the paediatrics department with complaints of swelling in the region above the upper lip which is reddish, globular in shape, and compressible. When the baby was 15 days old, mother of the baby noticed a small growth inside the left nostril, which gradually increased in size and developed to the upper lip. There was no history of bleeding or ulceration but had difficulty in breastfeeding. On local examination; the swelling was non-tender and soft to firm in consistency. The child was started on Inj. Taxim (Cefotaxim) 150mg 1-1-1 for 5 days, Tab. Inderal (Propranolol) 10mg 1/4-0-1/4 for 3 days, Oint. Timolol 1-1-1. On high-resolution USG (Ultrasonogram) of the upper lip showed a well-defined circumscribed oval-shaped echogenic solid mass lesion noted in the subcutaneous fat plane of the upper lip measuring 18×12 mm with demonstrable internal hypervascularity - likely hemangioma. Later, advised to continue Oint. Timolol for 9 months and review in OPD for examination.

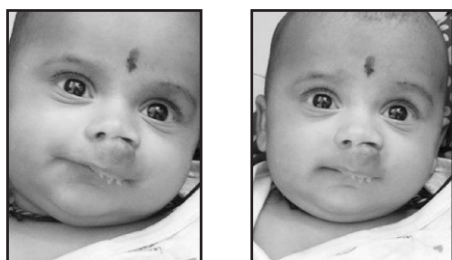


Figure 1: Infantile hemangioma of upper lip

## Discussion

Infantile hemangiomas often afflict Caucasians, girls, twins, preterm infants, and low birth weight babies. They typically develop on the face, scalp, back, and anterior chest.<sup>3</sup> In this case, the baby was a twin girl and hemangioma occurred above the lip region. Beta-blockers such as oral propranolol and topical timolol have been used to treat infantile hemangiomas. Timolol for topical application is less efficient than propranolol taken orally.<sup>4</sup> Hemangiomas frequently have considerable softening and color improvement after receiving propranolol treatment. It works by preventing the spread of tumors and consequently limiting endothelial cell development.<sup>5</sup> In our case study, the patient was on inj. Propranolol for 3 days which showed significant improvement on local examination, then switched to Oint. Timolol which was advised to continue for 9 months. Children using propranolol seemed to be more susceptible to hypoglycemia, bradycardia, and hypotension, which might express clinically as lethargy and poor perfusion.<sup>5</sup> Close monitoring is required to identify any complications due to drug administration.

## Conclusion

In conclusion, infantile hemangiomas usually appear within the first few weeks of life and grow rapidly for the first few months. Most hemangiomas do not require treatment, but some may require intervention if they are interfering with vital functions or causing cosmetic concerns. In this case, hemangioma of the upper lip affected the baby's breathing and breastfeeding.

## Acknowledgement

We would like to express our sincere gratitude to our principal, HOD (Head of the department) and all the professors of the department of pharmacy practice of Bapuji Pharmacy College, and the doctors of SS Institute of Medical Sciences and Research Centre who helped us in writing this case report.

## Conflict of Interest

The authors declare that there is no conflict of interest.



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### Department of Dermatology venereology & leprosy

#### Treatment for depressed acnescars

Dr. Madhu M, Assistant Professor & Dr. Manjunath Hulmani, Professor & HOD, dept of dermatology

**Acne scars** may be treated with a procedure or by the medication applied to the skin. Treatment options include the following:

#### Chemical peel :

Applying a chemical peel to the skin helps the body produce more collagen and elastin. When the skin has more of both, depressed acnes scar tend to be less noticeable. Peels are available in strengths ranging from mild to strong. For example, if you have a mild peel, you may need 3 to 5 treatments, which are given every 2 to 4 weeks. Before getting a peel, we will give you instructions for pre-peel priming. Patients typically follow pre-peel priming at home for 2 to 4 weeks. It can help you get the best results and reduce possible side effects. Pre-peel priming can include taking an antiviral medication or applying a retinoid. You'll also need to protect your skin from the sun before getting a chemical peel. Doing so helps prevent discolored skin from developing after treatment.

#### Fillers :

This treatment adds volume to depressed scars. Fillers can help your body produce more collagen and elastin to fill in the scars. We use different fillers, which last for varying amounts of time. Most fillers give temporary results, ranging from 3 months to 2 years. A filler can also be permanent.

Most fillers require a series of treatments, so you may need more than one office visit for this treatment. To retain your results, you'll also need touch-up visits. Even with a permanent filler, you may need touch-up treatment as your skin ages.

#### Laser treatment :

Lasers are used to resurface skin with acne scars. As your skin heals after laser resurfacing, it produces collagen and elastin, which can diminish the appearance of scars. We use fractional CO<sub>2</sub> laser for resurfacing. Some lasers require more treatment sessions than others.

#### Microneedling :

During this procedure, a roller with tiny needles are used to puncture the skin with acne scars. Puncturing the skin causes the body to produce new collagen and elastin. Also called "collagen induction therapy," the new collagen helps diminish acne scars. Micro needling is safe for all skin tones.

To improve the results that patients see, micro needling is often used along with another treatment like platelet-rich plasma.

#### Platelet-rich plasma (PRP) :

It is usually combined with another treatment like micro needling. PRP involves having a small amount of your blood drawn. This blood is placed into a machine that separates the blood so that we can use your platelets.

Then we inject your platelets into the treated area. Studies show that using PRP along with another treatment like micro needling can lead to less visible scarring.

The invasive procedures for acne scars are performed after application of topical anesthetic cream.





## Case Report

## LASERS in Proctology

Dr. Anantharaju GS, Prof and Unit chief, Dr. Linganagouda S. Patil Prof. & HOD, Dr. Srinath Reddy V, Junior Resident




## Department of General Surgery

## Abstract :



We hereby share our experiences with **DIODE LASERS** using **1940 nm Biolitec laser machine** in proctology at department of General Surgery, SSIMS & RC.

## Introduction :

Benign anal conditions like hemorrhoids, fissure-in-Ano, fistula-in-Ano are most common condition now-a-days due to change in life style & dietary habits. Open surgeries are done which has drawbacks like bleeding, more post operative pain, Need of regular dressings & prolong hospitalization. In this modern world, we department of general surgery are using Diode laser for treating few benign conditions in proctology. We hereby sharing few of our experiences using LASERS in proctology, which over come drawbacks of open surgical methods.

SL. No.	Case	Diagnoses	Procedure	Images
1.	26 year female with pain & bleeding while passing stools since 6 months	<b>ACUTE ON CHRONIC FISSURE IN ANO</b>	<b>Laser lateral internal sphincterotomy</b> 8Watt (W) Laser is used bare tip fiber in submucosa plane angling laterally, internal sphincter muscle is cut. Post operatively patient condition improved & discharged on post operative day -1. Regular follow up was done. Till 6 months with no complications.	
2.	46 year female with painless bleeding per rectum	<b>Grade III internal Hemorrhoids</b>	<b>Laser Hemorrhoidoplasty</b> Laser energy is given at Zone A (at the feeding artery of hemorrhoidal mass) 60 joule intraluminal without touching the mucosa. Laser fiber is then entered in submucosa plane from dentate line. Energy dose at the fiber entry point is 6 W x1s. Red light is seen inside the submucosa of the anal cushions. Once inside the submucosa hemorrhoidal tissue, release the laser beam in pulse mode at 6 W x3s, 70 J at zone B (submucosa Plane). Around 80J Plus energy dose is given at zone C (Intrahemorrhoidal). The overall dose should not exceed 150-200 J per hemorrhoidal mass. 40-50% reduction of hemorrhoidal mass seen immediately after laser therapy. Around 90% reduction seen 2 week post procedure. Patient was discharged on post operative day 2. Regular follow up was done. Till 6 months with no complications.	 <b>Per op grade 3 Internal hemorrhoids</b>  <b>Immediate post laser therapy (40-50% Reduction of heamorrhoidal)</b>



3.	65 year old male patient with history of discharge from perineal region since 6 months	<b>Fistula in Ano with acute on chronic fissure in Ano.</b>	<b>Fistula-tract Laser Closure (FiLAC) with laser lateral anal Sphincterotomy.</b> Fistula tract was corrected with fistula brush to remove debris & tract epithelium. Radial fiber is used for emitting laser beam within the tract. The energy used is 6-8 W in continuous mode. The fiber is withdrawn slowly at 1 mm per second from internal opening till external opening of the fistula without damaging the mucosa. Post operatively patient improved symptomatically and was discharged. Follow up was done for 6 months, which showed no discharge of pus and recurrence at the perineal region.	 
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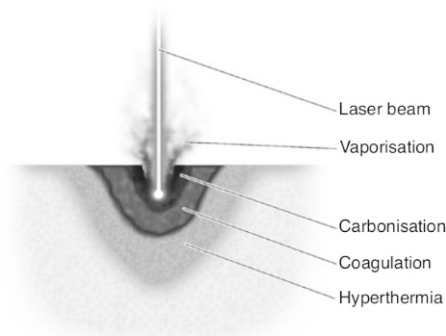
## Discussion

### “Light Amplification through stimulated Emission of Radiation” (LASER).

The laser light is absorbed by chromosphere in the tissue (protein, water, and hemoglobin), leading to tissue denaturation or destruction.

#### Principles of laser energy

- 1) **Photo ablation** : Tissue destruction by light
- 2) **Photo coagulation** : Occurs due to protein denaturation
- 3) **Photo vaporization** : Occurs when the target tissue absorbs the laser energy. Sharp conical glass tip fiber is used for hemorrhoids, radial fiber for fistula and pilonidal sinus and bare fiber for fissures.



#### Thermal effects of LASER

## Conclusion :

Laser surgeries improves the compliance of the patient with minimal intra operative bleed, minimal tissue handling, minimal dressings, less post operative pain, less hospital stay thus decreasing total morbidity occurring due to open surgeries in proctology.

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**ಕನ್ನಡ ಲೇಖನಗಳು**

ಬಾಪೂಜಿ ವಿದ್ಯಾಸಂಸ್ಥೆ(ರಿ)

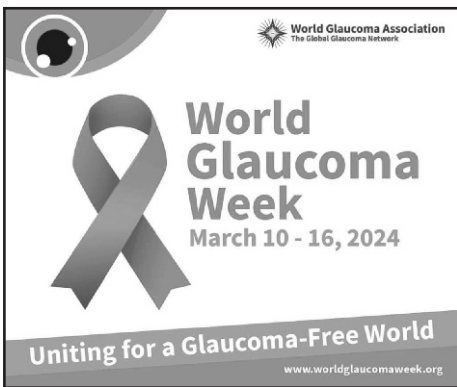
**ಎಸ್.ಎಸ್.ವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯ ಸಂಸ್ಥೆ ಮತ್ತು ಸಂಶೋಧನಾ ಕೇಂದ್ರ,****ಎನ್ ಎಚ್-4, ಬೈಪಾಸ್ ರಸ್ತೆ, ದಾವಣಗೆರೆ-577005.****ಕಣ್ಣಿನ ವಿಭಾಗ**

ವಿಶ್ವ ಗ್ಲೂಕೋಮಾ ಸಪ್ತಾಹದ ದಿನಾಚರಣೆ ಪ್ರಯುಕ್ತ ಮಾರ್ಚ್ 16ರಂದು ಜನರಲ್ಲಿ ಜಾಗೃತಿ ಮೂಡಿಸುವ ಕಾರ್ಯಕ್ರಮವನ್ನು ಗ್ಲೂಕೋಮಾ ಮುಕ್ತ ಜಗತ್ತಿಗಾಗಿ ಒಂದಾಗೋಣ ಎಂಬ ಉದ್ದೇಶದಿಂದ ಡಾ. ಅಜಯ್. ಎಸ್. ಹತ್ತಿ ಇವರು ಕಣ್ಣಿನ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥರ ನೇತೃತ್ವದಲ್ಲಿ ಕಣ್ಣಿನ ಹೊರ ರೋಗಿಗಳ ವಿಭಾಗದ ಎದುರು ಆಯೋಜಿಸಲಾಗಿತ್ತು.

ಡಾ.ಭ್ರಮರಾಂಬ ಬಿ ರವರು, ಅಸಿಸ್ಟೆಂಟ್ ಪ್ರೊಫೆಸರ್, ಕಣ್ಣಿನ ವಿಭಾಗದಲ್ಲಿ ಹೇಗೆ ಅಗೋಚರ ಗ್ಲೂಕೋಮಾವನ್ನು ಸೋಲಿಸಿ, ಭವಿಷ್ಯಕ್ಕಾಗಿ ದೃಶ್ಯವನ್ನು ಕಾಪಾಡಿಕೊಳ್ಳಬಹುದು ಎಂಬುದರ ಬಗ್ಗೆ ಜನರಲ್ಲಿ ಜಾಗೃತಿ ಮೂಡಿಸಿದರು. ಗ್ಲೂಕೋಮಾದ ಲಕ್ಷಣಗಳು ಇರಲಿ- ಇಲ್ಲದಿರಲಿ ನಿಯಮಿತ ಕಣ್ಣಿನ ಒತ್ತಡ ಪರೀಕ್ಷೆ ಹಾಗೂ ಆಪ್ಟಿಕ್ ನರದ ಸ್ಥಿತಿಯ ಪರೀಕ್ಷೆಯ ಪ್ರಾಮುಖ್ಯತೆಯ ಬಗ್ಗೆ ತಿಳಿಸಿದರು.

ಮೂರನೇ ವರ್ಷದ ಎಂ.ಬಿ.ಬಿಎಸ್ ವಿದ್ಯಾರ್ಥಿನಿಯರು ಡಾ.ಪ್ರೀತಿ ಎಸ್, ಡಾ ಜ್ಯೋತಿ. ವಿ ಮತ್ತು ಡಾ. ರಾಧಿಕಾರವರ ಮಾರ್ಗದರ್ಶನದೊಂದಿಗೆ ನಾಟಕದ ಮುಖಾಂತರ ಹೇಗೆ 40 ವರ್ಷಗಳಿಗಿಂತ ಅಧಿಕ ವಯಸ್ಸಿನವರು, ಗ್ಲೂಕೋಮಾದ ಕೌಟುಂಬಿಕ ಹಿನ್ನೆಲೆ ಇರುವವರು ಹಾಗೂ ಮಧುಮೇಹ ಇತರ ಕಾಯಿಲೆಗಳಿರುವವರು ನಿಯಮಿತವಾಗಿ ಕಣ್ಣಿನ ಪರೀಕ್ಷೆ ಮಾಡಿಸಿಕೊಳ್ಳುವುದರ ಪ್ರಾಮುಖ್ಯತೆಯನ್ನು ತಿಳಿಸಿಕೊಟ್ಟರು.

ಡಾ. ರೇಣುಕಾ ಬರ್ಕಿ ರವರು , ಅಸೋಸಿಯೇಟ್ ಪ್ರೊಫೆಸರ್, ಕಣ್ಣಿನ ವಿಭಾಗ ಸರಿಯಾದ ಸಮಯಕ್ಕೆ ಚಿಕಿತ್ಸೆ ನೀಡದಿದ್ದರೆ ಗ್ಲೂಕೋಮಾ ಕಾಲುವೆಗಾಗುವ ದುಷ್ಪರಿಣಾಮಗಳ ಬಗ್ಗೆ ಜನರಲ್ಲಿ ಜಾಗೃತಿ ಮೂಡಿಸಿದರು ಅದರೊಂದಿಗೆ ನಿಯಮಿತ ಕಣ್ಣಿನ ಪರೀಕ್ಷೆಗಳು" ಲಕ್ಷಣ ರಹಿತ" ಗ್ಲೂಕೋಮಾವನ್ನು ಪತ್ತೆಹಚ್ಚುವ ಮತ್ತು ನಿರ್ವಹಿಸುವ ಏಕಮಾತ್ರ ವಿಧಾನವಾಗಿದೆ ಎಂದು ತಿಳಿ ಹೇಳಿದರು. ಕಣ್ಣಿನ ವಿಭಾಗದ ಪೋಸ್ಟ್ ಗ್ರಾಜುವೇಟ್ಸ್ ಮತ್ತು ಇಂಟರ್ನ್ಸ್ ಭಾಗವಹಿಸಿದ್ದರು.





### Department of Medical Education Unit

**6/2/24 to 8/2/24 :** Dr. Balaji T. G, Associate Professor, Dept of Pathology participated in second onsite session of NMC Advance Course in Medical Education (ACME) at JNMC, Belgavi. He presented the poster of his project titled "Comparison of assessment using multiple choice question : online versus conventional method along with student and faculty perception".

**26/2/24 to 29/2/24 :** Dr. Yogeesh Babu. K. V, Professor, Department of Microbiology was selected & attended first onsite session of NMC Advance Course in Medical Education (ACME) at NMC Nodal Centre Bhaskar Medical College, Telangana.

### SS CARE TRUST ACTIVITIES

#### Urban Health Camps-January to March 2024 Total beneficiaries attending camps

Sl. No.	Date	Name of the camp	Total Beneficiaries	Total referred
1	02-01-2024	SSM Nagara	146	05
2	03-01-2024	Jagajeev Nagara	194	36
3	05-01-2024	Suresh Nagara	257	09
4	16-01-2024	Basapura, Davanagere	178	12
5	19-01-2024	SJM Nagar	273	27
6	29-01-2024	MCC ABlock	240	09
7	30-01-2024	KTJ Nagara	203	16
8	31-01-2024	KTJ Nagara ward no24	257	11
9	03-02-2024	SSP arvathamma Conference Hall	168	02
10	12-02-2024	Anekonda	137	00
11	14-02-2024	Poura Karmika Badavane	104	02
12	16-02-2024	IMA hall	181	18
13	26-02-2024	Hosa Kundawada	74	14



**Cancer Awareness programme - January to March 2024**

Sl. No.	Date	Name of the Anganwadi	Total Beneficiaries
1	03-01-2024	Anganwadi 'A', B Dcolony, Azadnagar, Davanagere	17
2	10-01-2024	Anganwadi 'B', B Dcolony, Azadnagar, Davanagere	16
3	17-01-2024	Anganwadi 'C', B Dcolony, Azadnagar, Davanagere	17
4	24-01-2024	Anganwadi 'D', B Dcolony, Azadnagar, Davanagere	11
5	07-02-2024	Anganwadi 'A', Mustafanagar, Azadnagar, Davanagere	20
6	14-02-2024	Anganwadi 'B', Mustafanagar, Azadnagar, Davanagere	28
7	21-02-2024	Anganwadi 'C', Mustafanagar, Azadnagar, Davanagere	16
8	28-02-2024	Anganwadi, Bethurroad Azadnagar, Davanagere	16

**STUDENT HEALTH CAMP - TARALABALU SCHOOL SIRIGERE**

Under the aegis of S S Care Trust in association with Department of Paediatrics, Dermatology, ophthalmology, and OBG, a general health check up camp was organized by Department of Community Medicine at Taralabalu Educational Association, Sirigere from March 12th to 15th 2024. Total 933 children underwent screening for various health parameters. Haemoglobin estimation was done and it was found that 106 children were anaemic, Skin disorders were prevalent, with scabies being the most common (173 cases), followed by acne (52 cases) and tinea (46 cases). Mass treatment for scabies was given to hostel students. Eye disorders included refractive errors (56 cases) and conjunctivitis (21 cases). Gynecological issues were also identified, including menstrual abnormalities (64 cases) and leucorrhea (33 cases). Treatment was given to all cases on OPD basis and those who needed further treatment and investigations were referred to respective departments of SSIMS & RC, Davangere.



# Photo Gallery

## Graduation Day - 2018 Batch





## 13<sup>th</sup> Graduation Day Ceremony - 2018 Batch

