

S.S. Institute of Medical Sciences & Research Centre  
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#### Disclaimer :

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### *Principal's desk*



At the outset let me wish everyone of SSIMS&RC family, a very Happy & Prosperous New Year 2020, I would like to congratulate each and everyone in making our institution a successful Medical Institute in this decade. Our institution is vibrant with various academic events and also keeping its pace in cultural, research and extracurricular activities. Last quarter of the year was lively with Celebrations of Kannada Rajyotsava and academic feast in paediatric conference where people from across states gathered and enriched their knowledge. SSINS celebrated Sports and cultural activities. Various departments involved in spectrum of activities giving a colourful end to the last year.

I congratulate all the staff members who involved and inspired us by their academic brilliance and I would like to suggest all the staff members to involve in more research activities and contribute to medical research and convey my sincere gratitude to the management for their continuous support in all the events.

**Dr. B.S Prasad**

### *Editor's desk*



I wish HAPPY NEW YEAR 2020 to all the staffs of SSIMS&RC; I thank each and everyone for their contribution and participation in various academic, curricular and extracurricular activities. Celebration of Kannada Rajyotsava and Various Conferences, CME, Health camps and visit by national and International delegates were the highlights of this edition. This issue gives glimpse of all the happenings of the campus and achievements of various faculties of the institution.

**Dr. A. V. Angadi**

### **Department of Anatomy**

Dr Santosh Bhosale attended the CME on "Current trends in clinical Forensic medicine & Forensic pathology", on 30th November 2019, at JJMMC, Davangere.

### **Department of Physiology**

Dr Suneeta Kalasuramath, Dr Jaysudha K, Dr Renu Lohitashwa & Dr Soumya B A attended the CME on "Current trends in clinical forensic medicine & forensic pathology", on 30th November 2019, at JJMMC, Davangere

Dr.Vidya M. Nadiger & Dr.Soumya B.A, attended International conference on Basic & applied physiology (ICON BAP) on 14th &15th December 2019 in Dungarpur, Rajasthan & Dr Vidya chaired a session on oral presentations.

### **Department of Forensic Medicine**

Dr.Vijayakumar B Jatti , Dr.Pravinkumar Kamaradagi & Dr.Rakesh M Marigouder attended & were Chairpersons for Scientific deliberations at State level one day CME " Current trends in Clinical Forensic Medicine & Forensic Pathology" organised by Dept. of Forensic Medicine and Dept. of Pathology at JJM Medical College, Davangere on 30/11/2019.

Dr.Vijayakumar B Jatti was Organising Secretary to host one day IMA's National Medico legal Conference at BMC&RS, Bangalore, on Dec. 8th 2019 which was co-organised by IMA,K S B & Department of Forensic Medicine, BMC&RS, Bangalore.





### Department of Pathology

On 31st Oct 2019 Installation of Apheresis machine by Fresenius company in Blood bank. Dr. Gowda Kavita Umamathy, Dr. Deepti Pruthvi, Dr. Neetha. Y, Dr. Rajashree. K, Dr. Balaji. T.G, from Department of Pathology attended the demo.

On 5th Nov to 8th Nov 2019 Training Programme on Quality Management systems and Internal Audit in Medical Labs as per ISO 15189: 2012 for NABL Accreditation was held in coordination with 360 help. Resource person was Dr. Karuna from St. John's Medical College. Bangalore.

Training Programme was attended by: Dr. Nagaraj Bhat, Dr. Narasimha Polimera A.O, Dr. Pradeep Kumar Reddy Meroddy, Dr. Nandish V.S, Dr. Sreevidya Latha G.M, Dr. Disha B.S, and Dr. Neetha. Y, Dr. Balaji T.G, Dr. Niranjana. K, Dr. Mohammed habeeb ulla. S, Dr. Harish. S, Dr. Jagadish Pumar. P, Dr. Abhishek V.M, Dr. Rajashree. K, Dr. Mallikarjun C.R, Dr. Shabnam. S, Dr. Veena.M, Dr. Shwetha V.R, Dr. Gowda kavita umamathy, Dr. Deepti Pruthvi, Dr. Preethi B.P, Dr. Sanjay, Dr. Mahesh, Dr. Sruti Joy, Dr. Vinutha. B, Dr. Sanjana, Dr. Shilpa, Dr. Jyothi. S, Dr. Sanjay Kumar Yadav.

On 16th Nov 2019 Voluntary Blood Donation and awareness camp was organised by HDFC bank at Jain Institute of Technology, Davangere. Dr. Shashikala. P, prof & HOD & Dr. Kavita G.U Professor, Dept of Pathology along with interns & Technicians conducted the camp. About 74 units of blood were collected in the camp.

On 30th Nov 2019 CME on "Current trends in Clinical Forensic Medicine & Forensic Pathology" was conducted by JJM Medical College, Department of Pathology & Forensic Medicine. Faculty of Pathology, Dr. Shashikala. P. Dr. Gowda Kavita Umamathy, Dr. Deepti Pruthvi, Dr. Rajashree K, Dr. Neetha. Y, Dr. Sreevidyalatha G.M attended the same. Dr. Shashikala. P. Dr. Gowda Kavita Umamathy chaired sessions in the CME.

On 5th Dec to 8th Dec 2019 APCON- 2019 National conference in Pathology conducted by IAPM was held in Chandigarh. Dr. Shashikala.P attended the conference and judged the award for paper sessions.

On 14th Dec 2019 Voluntary Blood Donation camp was held at high school field, Davangere. Dr. Neetha. Y, Dr. Balaji T.G, Post Graduates and Interns conducted the camp. A total of 45 units of blood were collected.

On 21st Dec 2019 Voluntary Blood Donation camp was held at Herekalmatti ground, Honnali. Post Graduates and Interns conducted the camp. Total of 06 Units of blood were collected.



### Department of Pharmacology

#### Posters and Presentations:

Mr. PRADEEP A N Presented the poster titled "Antibiotic Resistance pattern of Pseudomonas Species isolated from a tertiary care hospital in Karnataka" in International Conference on "Bacteriophage Research & Antimicrobial Resistance" at VIT, Vellore, Tamilnadu on 12th & 13th December 2019.

Dr. SHIVASHANKARAMURTHY K G delivered a talk on 'Research grants' in workshop on 'Bioethics and ICH-GCP guidelines' for pharmacy students on 9th Nov 2019.

### Department of Forensic Medicine

Dr. Rakesh J and Dr. Anupama K gave a talk on mental health in PHC, Lokikere to general community on World Mental Health day on 25th Oct 2019.

World hand washing day - Dr. Vidya V Patil and Dr. Anupama along with Mr. Ashok Kumar and interns participated in world hand washing day observation and educated the community regarding correct hand washing practices.' on 19.10.19

Dr. Vidya V Patil and Dr. Anupama along with Mr. Ashok Kumar and interns participated in world obesity day and informed the participants regarding problems due to obesity and how to prevent obesity on 15.10.2019.

World diabetes day was observed in PHC, Lokikere to the general population. Dr. Anupama, Dr. Vinayak JK along with interns and MSWs conducted the programme. Dr. Anupama gave a talk on diabetes - causation, symptoms and signs, complications, prevention and treatment.

Dr. Rakesh and Dr. Anupama participated in Mission Indradhanush. 2.0 as external monitors supporting WHO activities in Davangere district from 2nd to 5th Dec, 2019.





Dr. Vidya B, Dr. Faye and Mr. Ashok gave a talk on mental health in UHTC on 18.10.2019 on the occasion of World Mental Health Day.

### RNTCP activities

Dr Shakuntala V Rao, Medical Officer, DOTS centre went for training at National Tuberculosis Institute, Bengaluru from 16/9/19 to 28/9/19.

DOTS Centre of SSIMS & RC was part of Active case finding 2019 (programme of RNTCP) during 25/11/19 to 10/12/19.

Dr. Geethalakshmi RG attended Zonal task force meeting at Guntur Medical College on 4th and 5th November 2019. Karnataka state retained the best performing state for contribution of medical colleges in RNTCP in South Zone.

Core committee meeting for 3rd quarter of 2019 was arranged in college council hall on 5/12/19. Thirteen members attended the meeting including District TB Officer and Dr. N.K. Kalappanavar.

Sensitization workshops on "Updates in RNTCP - 2019" have been started from 11/12/19. They are planned in 8 batches, and 6 sensitizations are completed till December 2019 for staff nurses, lab technicians and interns in SSIMS & RC.

Dr. Geethalakshmi RG, Nodal Officer and Dr. Satish S. Patil from Dept. of Microbiology, SSIMS & RC attended "Workshop on establishing DR-TB wards in medical colleges and Airborne Infection Control Guidelines" at MS Raimaiah Medical College, Bengaluru on 17/12/19 organized by Dept. of Health & Family Welfare, Govt. of Karnataka.



### Department of Microbiology

Dr VL Jayasimha and Dr Veena participated in National Conference on Health Professionals Education held at KLE Academy of Higher Education and Research JN Medical College Belgaum on 20 and 21 November 2019. Dr VL Jayasimha presented a paper on Concept Mapping in Parasitology and Dr Veena presented a paper on OSPE on universal precautions in Dept of Microbiology- Our Experience.

Dr VL Jayasimha chaired a panel discussion on "Role of concept mapping vs didactic lectures" in National Conference on Health Professionals Education held at JN Medical College Belgaum. The other panelists were Dr Avinash Supe, Dr Savaji, Vice Chancellor (KAHE), Dr Sachidanand, RGUHS.

Dr VL Jayasimha was awarded with Fellow in Medical Education (FIME/ACME) by Medical council of India at National Conference on Health Professionals Education held at KLE Academy of Higher Education and Research JN Medical College Belgaum.

Dr VL Jayasimha chaired a panel discussion on "Antibiotic stewardship workshop" at State level pediatric conference held at JJMMC and SSIMSRC, Davangere on 19 October 2019.

Dr. VinodKumar C S, Professor, delivered keynote address on Antimicrobial resistance and chaired scientific sessions at International Conference on Antimicrobials and Bacteriophage conducted by VIT, Vellore on 12th and 13th December 2019.

Dr. VinodKumar C S, Professor was awarded a grant of 20 lakhs for research work on Epidemiology, clinical and molecular study of dengue fever at Central Karnataka by Vision Groups of Science and Technology, Department of Information Technology, Biotechnology and Sciences and Technology.



Dr Satish Patil, Professor, participated in workshop on establishing DR-TB wards in medical colleges and airborne infection control, held under the auspices of RNTCP at M.S Ramaiah Medical College, Bangalore on 17th December 2019.

Dr. Veena M (Associate Professor) and Dr Shwetha.VR (Assistant Professor) participated in the Internal auditor and Quality Management Systems certificate course as per ISO 15189-2012 held at SSIMS&RC Davangere.

Mr Gajendra and Mr Shridhar, laboratory technicians participated in the sensitization workshop on Technical and Operational Guidelines for TB Control in India 2016 and PMDT- 2019 guidelines for management of tuberculosis on 11th and 12th December 2019 held at SSIMS&RC, Davangere.

### Department of Pediatrics

#### KARPEDICON-2019

38th Annual Conference of IAP-KSB, 33th South Zone PEDICON



This was organized by IAP Karnataka state branch, and IAP Davangere district branch. It was hosted by department of Pediatrics, SSIMS&RC, JJM Medical College & Bapuji child health institute, it was attended by around 1,200 delegates from all around the country and from abroad. On the first day of conference 6 workshops were conducted simultaneously on basic NRP, advance NRP, IYCF, Antimicrobial Stewardship, ABG electrolytes and basic ventilation workshop. Each workshop was attended by average of 40 Participants, workshop was inaugurated by Dr.Srinath Mugali National IAP Vice-President and this was followed by workshop faculty dinner on the same day. On second, third and fourth day of conference scientific Programs were conducted from 8pm to 5pm. Highlights of the programs are.

Lecture on patient Safety by Dr.Umesh Prabhu , (International faculty chief recruiting advicer NHS UK) Oration on challenges in management of childhood tuberculosis by Dr.V.D.Patil, On 19th October evening , inaugural function of the conference was presided by

Dr Sri S.Shivshankarappa (Hon- Secretary BEA) and Dr.Dighant Shastri Chief guest of the occasion. Felicitation of following Senior Pediatricians of Davangere , Dr.C.R. Banapurmath, Dr.P.S. Suresh Babu, Dr.M.L. Kulkarni, Dr. Shobha Banapurmath. was done Considering their Commitment Service and dedication to the Pediatric Society. Inauguration was followed by cultur Program and banquet.

A separate hall was allotted for the post graduate to present paper for free paper and award paper category, Cash price was awarded to the winner on the valedictory function. All the scientific program was well attended and appreciated with good speaker, audience interaction.

Dr. N. K. Kalappanavar, Medical Director, Prof& Head.

Participated as faculty during National "RESPICON" at Pune held on 11th to 13th October 2019. Topic was "Indoor Air Pollution and Child Health"

Participated as faculty for "Tuberculosis in childhood" workshop held on 11th October 2019 at Pune J.W. Marriott.

Participated as Chairperson during National IAP Neocon-2019 held at Bangalore on 27th to 29th October 2019. Topic Was "Newer Modality of Surfactant Administration".

Participated on Resource Person during "Shishu Swasthya Shibira" held at Kuvempu Bhavan. Davangere on 6th November 2019.

Participated as Chairperson during "FEFCON" 19 held at Bangalore Hotel Shagria-La on 16th Nov 2019. G.C.Surana Oration. Topic: "An Over-view of Fever - Lifespan Approach"

Participated as Lead discussant during Expert meet on Asthma Training Module-19 [ATM-19] held at Bangalore on 07-12-2019.

Organized South Zone Conference on Karpedicon-2019 as Chairman held in our Institute.

Dr.B.S.Prasad., Professor, Principal attended National IAP-Neonatal [iapnecon 2019] conference held on 20th to 29th September 2019 at Hotel Marriott, Bengaluru, and was involved in open-discussion followed by honouring the guest speaker from abroad.

Attended CME on "New curriculum in pharmacology - way forward " as Chief Guest, on 7th September 2019, at Library auditorium Bapuji hospital, JJMMC, Davangere. He delivered a key note on the importance of Curriculum ahead in the speech.

Presented as Guest Lecture / Speaker 38th State Pedicon & 33rd South Zone Conference "Neonatal Pain Management" 17th to 20th September 2019.

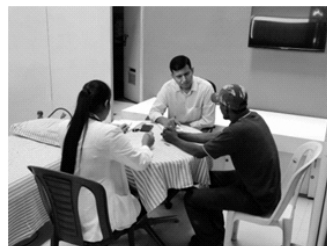
Visit by Dr.Linda Vesel , PhD MPH , Scientific Lead LIFE ,Better Birth , Ariadne Labs ,Brigham and women,s hospital Harvard TH Chan school of public health Boston ,USA, on 12th-13th December 2019 ,To SSIMS&RC, Davangere to supervise the progress of "LIFE" project work.

ACME-Advanced course in medical education completion certificate -Convocation ceremony was held at Belgaum on 23rd November 2019.Certificate was issued on the occasion of

(NCHPE) National Conference on Health Professionals Education organized by KLE University Belgaum from 21st-23rd November 2019.



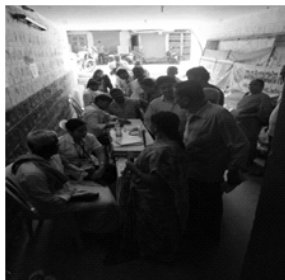
### Department of Orthopaedics



The Orthopaedic Camp at Aradhya steel pvt ltd Aanagodu Davanagere Dist, was conducted on 04/10/2019, by Dr.Shashidhara H ,PG's & Interns, Where 170 patients got screened for Orthopaedic conditions.



The Orthopaedic Camp at Kottur Bellary Dist was conducted on 24/10/2019, by Dr.Manjunath J Prof & HOD, Dr.Sachin N S Asso Professor, PG's & Interns, Where 640 patients got screened for Orthopaedic conditions.



The Orthopaedic Camp at Harihara davanagere Dist, was conducted on 29/11/2019, by Dr.Praveen M Anvekar, Dr.Shashidhara H, Dr Alekhya T PG's & Interns, Where 470 patients got screened for Orthopaedic conditions.

Dr.Manjunath J Professor & HOD Dept of Orthopaedics Delivered a lecture on "IT Fractures-IDEAL IMPLANT AND TREATMENT" in KOA-ICL at Bijapur On 11th to 14th Oct 2019.

Dr.Srinath SR J Professor Dept of Orthopaedics Delivered a lecture on "PFN promising implant in IT fractures" in KOA-ICL at Bijapur On 11th to 14th Oct 2019.

Dr.Manjunath J Professor & HOD, & Dr.Srinath S R Professor Attended the Trauma course on 31st October to 1st & 2nd Nov -2019 at Bengalore.

Under the Guidance of Dr.A.G Karibasappa Prof & Unit Chief, Dr.Vivek N PG Student presented a paper on 'A clinical and radiological outcome of surgical management of METAPHYSEAL FRACTURES OF TIBIA WITH EXPERT TIBIAL NAILING SYSTEM' at orthopaedic state conference - KOA-ICL 2019 at Vijaypura, Karnataka from to 12nd to 13th October 2019.

Under the Guidance of Dr.Manjunath.J. Prof & HOD, Dr.Druva VPG Student presented a paper on 'a clinical and radiological outcome of surgical management of unstable IT fractures by proximal femoral nail antirotation II' at orthopaedic state conference - KOA-ICL 2019 at Vijaypura, Karnataka from to 12nd to 13th October 2019.

Under the Guidance of Dr.Manjunath.J. Prof & HOD, Dr.Venkataramana Rao M. Prof & Unit chief , Dr.Ashwin Gobbur PG Student presented a paper on 'a Schatzker type V and VI bicondylar tibial plateau fractures surgically treated by dual plating: a prospective study. at orthopaedic state conference - KOA-ICL 2019 at Vijaypura, Karnataka from to 12nd to 13th October 2019.

B.M.D.Osteoporosis [Bone Mineral Density] Free check up camp, 18th October 2019 at Dept of Orthopaedics SSIMS & RC Davanagere.





Dr.Manjunath J Professor & HOD, & Dr.Venkataramana Rao M, Professor & Unit Chief, Dr.Srinath S R Professor Dr.Kiran GU Asso Professor Attended the IOACON- 2019 on 18th November to 25th Nov -2019 at Kolkata..

Dr.Manjunath J , Professor & HOD, gave a talk on "When to conserve/when to operate-hip & femur fractures" on 14th & 15th December at Sirsi Ortho CME and participated in panel discussion.

Dr.Srinath S R Professor gave a talk on "When to conserve / When to operate fracture neck of femur" on 14th & 15th December at Sirsi Ortho CME.



The Orthopaedic Camp at Harapanahalli Bellary Dist, was conducted on 23/12/2019, by Dr.Pavan Kumar Patil H, PG's & Interns, Where 315 patients got screened for Orthopaedic conditions.

### Department of Orthopedics

DBCS eye camps were conducted from May to June-2019 at Kodaganuru, Sokke, kodajji, Hebahallu, Nandigudi & total 189 cataract surgeries were done.

Project on "To study colour vision and pattern of Genetic inheritance among school children" by Miss, Chaitra under the guidance of Dr.Renuka Barki has been accepted by ICMR-2019.

### Department of Anaesthesia

Dr.Arun Kumar A Professor & HOD - Participated as a faculty and delivered a lecture on "Perioperative pain management in elderly frail patients" 67th Annual National Conference of Indian Society of Anaesthesiologists at Gayatri Vihar Palace grounds, Bangalore on 26th to 29th Nov 2019.

Dr.Anusha Joshi - Post Graduate student - Under the guidance of Dr.Arun Kumar A, presented oral paper on "To compare the efficacy of IV dexamethasone with Bethametasone gel for prophylaxis of post operative sore throat" at 67th Annual National Conference of Indian Society of Anaesthesiologists At Gayatri Vihar Palace grounds, Bangalore on 26th to 29th Nov 2019.

Dr. Shilpa - Post Graduate student - Under the guidance of Dr. Sagar SM, presented an oral paper on "Comparative effectiveness of Macintosh, C-MAC videolaryngoscopy and McCoy laryngoscope in simulated cervical spine injuries- A randomised controlled study" at the 67th Annual National Conference of Indian Society of Anaesthesiologists at Gayatri Vihar Palace grounds, Bangalore on 26th to 29th Nov 2019.

Dr.Rajesh M Post Graduate student - Under the guidance of Dr.Arun Kumar A presented a oral paper on "Comparison of intrathecal morphine (100 mcg) versus intrathecal fentanyl (25 mcg) added to 0.5% Bupivacaine on post operative Nausea, Vomiting & pruritus in patients undergoing lower segment caesarean section" at the 67th Annual National Conference of Indian Society of Anaesthesiologists at Gayatri Vihar Palace grounds, Bangalore on 26th to 29th Nov 2019.

Dr.Srinivas reddy & Dr.Madhusudhan Post Graduate students - Attended ACLS workshop at St.John's Medical College Bangalore On 16th to 18th December.

The 39th BLS workshop for interns was conducted by the Department of Anaesthesia on 2nd December 2019.



### WORLD ANAESTHESIA DAY 2019

On 16th October 2019, World Anaesthesia day was celebrated in Davangere, organised by the ISA Davangere branch. ISA members from all across the city and neighbouring areas came to be a part of this celebration.

The program started with welcoming the chief guest on stage, Dr. Vasanth kumar, professor of Anaesthesiology at Adichunchanagiri Institute of Medical Sciences and a renowned speaker and author on alternative methods of pain relief, holistic therapies and anaesthesia and spirituality. There were also prominent members of the ISA community present, including but not limited to Dr. Ravi R, president of ISA Karnataka state branch, Dr. Ashok R, president of ISA Davangere city branch, Dr.Arun Kumar Ajjappa, secretary ISA Davangere, Dr.Ravishankar RB, Vice President ISA Davangere, Dr.Anitha Hanji, Vice President, ISA Davangere and Dr.Gude Maruthi Prasad, treasurer ISA Davangere.





After starting the event on an auspicious note with a lamp lighting ceremony accompanied by an invocation song, the welcome address was delivered by Dr. Arun Kumar Ajjappa, followed by the presidential address by Dr. Ravi. And last but not the least was the very informative and entertaining talk by Dr. Vasanth Kumar on "Anaesthesia and Spirituality". He gave all of us a new perspective and opened our eyes to a more wholesome approach to our work and lives, all while tickling out funny bones. Dr. Vasanth Kumar was felicitated by ISA Davangere and Dr. S H Metgud and Dr. Manjunath Jajoor and appreciated for all his contributions.

This was followed by a cultural program consisting of numerous performances by the Post graduate students including songs, dances and skits that entertained the crowd for the remainder of the evening. The event was a great success and we look forward to next year's celebrations.



### Department of General Surgery

Dr L S Patil, Dr Basavarajappa M, Dr Zameerulla T, Dr Dinesh J, Dr Ananthraju G S, Dr Hanumanthappa B N, Dr Vikram along with all the post graduates, Dr Deepak G, Dr Vivekananda D, Dr Sahana M P, Dr Ravishankar Y R, Dr Dhruva P H, attended a CME on breast cancer organized by Huballi oncology association 16th November 2019 at Huballi.



The final year post graduates, Dr Deepak G and Dr Vivekananda, bagged the second prize amongst 230 teams in the quiz competition at Prof. B. Hanumaiah Memorial National Continuing Surgical Education Programme held on 24th -29th November 2019.



Dr L S Patil, Dr S B Gejji, Dr Basavarajappa M, Dr Zameerulla T, Dr Dinesh J, Dr Ananthraju G S, Dr Hanumanthappa B N, Dr Vikram along with all the post graduates, Dr Deepak G, Dr Vivekananda D, Dr Sahana M P, Dr Ravishankar Y R, Dr Reena J and Dr Dhruva P H, attended, a CME On vascular surgery and diabetic foot was held at JJM Davangere on December 7th 2019.



Dr L S Patil, Dr Basavarajappa M, Dr S B Gejji Chair person one Session

IMA in association with ASI Davangere organised a talk on breast cancer. Dr L S Patil, Dr S B Gejji, Dr Basavarajappa M, Dr Zameerulla T, Dr Dinesh J, Dr Ananthraju G S, Dr Hanumanthappa B N, Dr Vikram along with all the post graduates, Dr Deepak G, Dr Vivekananda D, Dr Sahana M P, Dr Ravishankar Y R, Dr Reena J attended this CME.

### Department of Emergency Medicine

Dr. Sonia and Dr. Narendra Reddy, Junior Residents in Department of Emergency Medicine attended workshop on "Fluid and Electrolytes and ABG" held on 17th October At KARPEDICON-2019 38th annual conference of IAP held at SSIMS&RC.

Dr. Ganesha B.S, Assistant professor, Dr. Ritesh Verma, Dr. Ajay Pawar, Junior Residents In Department of Emergency Medicine participated as instructors for AHA certified BLS And ACLS course conducted at SDM Medical College Dharwad from 18th to 20th October 2019.

Dr. Ammarahfalak, Junior Resident in Department of Emergency Medicine attended Emergency Ultrasonography workshop "POCUS" as a delegate held on 5th and 6th Nov 2019 in 10th Asian Conference of Emergency Medicine (ACEM) held in New Delhi

Dr. Sonia and Dr. Narendra Reddy, Junior Residents in Department of Emergency Medicine attended November 24th Emergency medicine conclave in Shimoga.

The Department of Emergency Medicine organized and successfully conducted AHA Certified BLS and ACLS provider course at Skill lab SSIMS and RC from November 26th To November 28th 2019. Dr. Ganesha B S, Assistant professor was the lead instructor for The course. Dr. Rajesh postgraduate was the co-instructor for the course. The delegates from SSIMS & RC, JJMMC, BLDE Bijapur and Spanadana Urology Center Davanagere actively participated in the course.



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### Department of Dermatology

#### INNER CIRCLE PROGRAM

Dr. Manjunath Hulmani, Professor, Joint Secretary IADVL-Karnataka Branch Inner circle is a soft skill development program for Postgraduate students of Dermatology department, Conducted by IADVL-Karnataka on November 03rd 2019, at LT-4, 2nd Floor SSIMS & RC, Davangere-05.

#### Attended Conference & CME's

Dr. Manjunath Hulmani, Professor & PGs, Dr. Vinutha M M, Dr. Gritha R Reddy, Dr. Prachita & Dr. Mohan Kumar, Dr. Kiran M.S, Dr. Madhu M, Dept of Dermatology has participated as Delegate in the conference "CUTICON - Karnataka 2019" 10th State annual conference IADVL, Held on 8th to 10th Nov - 2019 at Gadag Institute of Medical Sciences, Gadag.

Dr. Manjunath Hulmani, Professor, Dept of Dermatology Venereology Leprosy, SSIMS&RC was observer for the CME on " Emergency Dermatology - Case Based Learning -2019 " organized by Department of Dermatology Venereology & Leprosy, at JJMMC, Davangere on 1st Dec-2019.

Dr. Manjunath Hulmani, Professor & PGs, Dr. Vinutha M M, Dr. Gritha R Reddy, Dr. Prachita & Dr. Mohan Kumar, Dr. Kiran M.S, Dr. Madhu M, Dept of Dermatology has participated as Delegate in the conference "CUTICON - Karnataka 2019" 10th State annual conference IADVL, Held on 8th to 10th Nov - 2019 at Gadag Institute of Medical Sciences, Gadag.

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#### A. Poster & Papers Presentation:

1. Dr. Munaza kulsum :  
Topic: Study on efficacy of oral isotretinoin in moderate to severe acne with emphasis on adverse effects.
2. Dr. Munaza Kulsum:  
Topic: Epidermolysis Bullosa Simplex -3 case report.
3. Dr. Gritha R Reddy:  
Topic: 1. Erythema chronicum Migrans      2. Giant congenital Melanocytic
4. Dr. Prachita :  
Topic: 1. An Unusual presentation of anetoderma secondary to chicken pox scars.  
2. A study of clinical histopathological and dermoscopic features of lichen planus.
5. Dr. Madhu M : Topic: Dapsone the drug
6. Dr. Mohan Kumar NT:  
Topic: A case report of psoriasis in figurative pattern

#### B. Free Papers:

Dr. Munaza Kulsum Topic: Clinico Epidemiological, Histopathological and study of primary cutaneous amyloidosis. Dr. Gritha R Reddy Topic: Serum Zinc levels in Vitiligo Dr. Kiran M.S: Topic: Inverse psoriasis

#### C. Award Papers:

Dr. Prachita Topic: Vasculitis secondary to guillain barre syndrome Dr. Vinutha M M Topic: Xeroderma Pigmentosum Dr. Gritha R Reddy has won the 1st Prize in Anti Leprosy day 2019, Kannad Poster competition conducted by IADVL Karnataka on the occasion.

#### CME IN DEPARTMENT OF DERMATOLOGY, VENEREOLOGY & LEPROSY - 2019

CME Programme for post graduate students and consultants was conducted by the Dept of Dermatology on 12/12/2019, Thursday, Seminar room, SSIMS & RC, Davangere. Welcome speech was given by Dr. Vinutha M M, Speaker were Dr. Gayathri G. The Chairperson was Dr. Jagannath Kumar V, Professor & HOD, Dept of Dermatology Venereology & Leprosy, SSIMS & RC, Davangere. Vote of thanks was given by Dr. Kiran M.S.





### Important topic was discussed in CME.

Topic: ACNE VULGARIS Chairperson by Dr.Jagannath Kumar V, Professor & HOD, Dept of Dermatology Venereology & Leprosy Speaker: Dr.Gayathri G

### DEPARTMENT OF PSYCHIATRY

Dr.Mruthyunjaya.N, Associate professor, Dept of Psychiatry and Dr.Asha.H.N, Clinical Psychologist, Dept. of Psychiatry were invited by the Nursing college to address Nursing students regarding Stress management among newly joined batch of Nursing students (GNM & B.Sc.) for the academic year 2019-20 held on December 4th 2019 at college block (LT-1).

After a warm welcome by Mr.K.M.Veeresh, Principal of Nursing education, Dr.Asha.H.N, Clinical Psychologist, Dept. of Psychiatry started her presentation about "STRESS MANAGEMENT GUIDANCE". She addressed the possible struggles of students in terms of change in Environment like weather, locality, local culture and food etc. also she spoke about new college environment, Hostel life, new relations with peers and staff and Academics which may be the sources of Stress. She gave a brief note on how to handle stress arising from each of these problems effectively through communicating with peers and concerned staff, seeking help from professionals and using mindful meditation.

Dr.Mruthyunjaya. N, Associate professor, Dept. of Psychiatry, addressed the students in terms of locality as 50% of the students were from Kerala and shared his personal experience during his stay in Kerala regarding weather, food, social interactions and workplace experiences etc. and gave a call to accept and enjoy local culture in terms of food, language etc, which evoked a special interest among students. He also addressed the possible sources of Stress for the students in a new environment in terms of Time away from home, adjustment to new college, hostel life, peer relations, Academics related stress and possible exposure to substance use and addictions etc. and detrimental effects of the same and the methods to overcome each of them through seeking help at the right time and Psychiatric intervention if needed. He ended his speech by encouraging the students to overcome the struggles they may encounter while pursuing their education and to do well in their academics.



### Department of T.B. & CHEST

Dr. Priyadarshini S Raykar has completed 1year Programme in Diploma Allergy Asthma & immunology from CMC Vellore.

Dr. Anup Banur involved in RNTCP sensitization Programme for staff nurses & interns as a resource person which was started on 11 /12/ 2019.

### Department of Radio-diagnosis

Celebrated International Day of Radiology on November 8th 2019.



Delivered lecture on IMAGING IN FLOUROSIS to health care workers at DHO office.



**Dr. Chandan Giriappa, Professor in Radiology, SSIMS & RC.**

**Tamil nadu Pondicherry annual state conference of IRIA held at JIPMER institute, Pandichery**

Invited as faculty and delivered a lecture on PENILE DOPPLER.



**Dr.Chandan Giriappa, Professor in Radiology, SSIMS & RC.**



## S.S. Institute of Nursing Sciences

### Guest Lecture on "Stress Management & Guidance" for Fresher's of 2019-20 Batch.

Guest Lecturing on "Stress Management & Guidance" was conducted by S.S.Institute of Nursing Sciences, Davangere for Fresher's of 2019-20 batch with the help of Dept. of Psychiatry, SSIMS & RC, Davangere on 4th December 2019.

Dr. Mruthyunjaya.N., Asso. Professor & Dr. Asha.H.N. Child Psychologist, Dept. of Psychiatry, SSIMS & RC, Davangere has briefed students regarding stress, its consequences and ways to overcome with stressors. They also enlightened about issues in adjusting to new ambience and explained various initiatives to deal with such problems.

Mr.Ravi.R.G., Manager, SSIMS & RC and SSINS, highlighted about the facilities available in our college, advised students to maintain discipline and to follow the rules and norms of the college. He has briefed about ragging and its consequences, informed the students not to involve in any sort of ragging activities and bring to the notice of management, Principal and faculties if found any ragging activities in the campus.



### World Mental Health Day - 2019.

World Mental Health Day was organized by Dept. of Mental Health Nursing, S.S.Institute of Nursing Sciences on 10th October 2019.

The programme was inaugurated by Dr. Mruthyunjaya.N., Asso. Professor, Dept. of Psychiatry, SSIMS & RC, had briefed our student on Mental Health Day - 2019 theme - "Suicide Prevention". And programme was presided by Mr. Veerasha.V.B., Principal, S.S.Institute of Nursing Sciences, Davangere. All teaching faculty of S.S.Institute of Nursing Sciences and 2nd G.N.M. & 3rd B.Sc., Nursing students witnessed the programme.

## Conferences, CMEs and Workshops

### Department of Otorhinolaryngology

### CME on "Instructional course in Rhinoplasty surgery and live surgical workshop on Rhinoplasty"

Department of ENT, JJM Medical College, SSIMS & RC in association with AOI Davangere Chapter successfully conducted CME "Instructional course in Rhinoplasty surgery and live surgical workshop on Rhinoplasty" on 30th November 2019. Around 80 delegates including faculties from Dental fraternity also participated in the event.

Dr. Vishwas Vijaydev, Consultant ENT and Facial plastic Surgeon, Smile N Face centre, Trustwell hospital and visiting consultant at many prominent centres in Bangalore, also awardee of "Young ENT surgeon of Karnataka 2019", and founder member of National Facial plastic surgeons association India, demonstrated Live Rhinoplasty surgery. After briefing audience regarding the tips and pearls about the facial plastic surgery, Dr. Vishwas Vijaydev demonstrated basic suturing techniques and facial flaps to the audience.

CME program was inaugurated by lighting the lamp by Chief Guest Dr. Gangadhar KS, State AOI president, Karnataka, Faculty, Dr. Vishwas Vijaydev, Dr. Chandrappa K.B, President AOI-Davangere Chapter, Dr. Murugesh SB, Principal, JJM Medical College, Dr. Basavaraju KP, Head, Department of ENT, JJM Medical College, Dr. Yogeasha BS, Head, Department of ENT, SSIMS RC, Dr. A.M. Shivakumar Past president, AOI-South Zone and Karnataka state Chapter, Dr. Jyothi Swaroop, President Elect, AOI- Karnataka, Dr. Puttamadaih, Treasurer, AOI-Karnataka, Dr. Vinay Bhat, Associate Professor, Department of ENT, AIMS Bellur and KMC Observer and Dr. Prakash NS, Professor, Dept of ENT JJMMC, Davangere.

Dr. Basavaraju KP, Professor and Head, Dept of ENT, JJMMC welcomed the gathering, Dr. Gangadhar KS chief guest addressed the gathering, Dr. SB Murugesh, Principal, gave presidential address, Dr. Venkatesha BK delivered vote of thanks.



## Department of Obstetrics & Gynaecology

### CME on 'Sciences of Energy'

An interesting CME conducted on topic 'Science of Energy at LT-4 by Davanagere OBG society and department of OBG, SSIMS & RC and JJMMC on December 13th 2019, Friday. Mr. Harish Deshmukh, Zonal accountant Manager, is a certified tissue specialist in Jhonson & Jhonson Company for 9 years. Conducted an interactive and elaborate CME on sources of energy in surgical fields, types, merits and demerits its effect on living tissue when used for cutting and coagulation purpose. He also focussed about the minor ailments which we tend to neglect and which makes major impact in surgery. It was a very useful session of all faculty and postgraduates form JJMMC and SSIMS&RC, and Interns and Nursing staffs.



### CME on 'AUB and Physics and methodology of CTG'

A CME was held on December 21st 2019 at JJMMC on topics 'Abnormal uterine bleeding and workshop on CTG (Cardiotocography) by Davanagere OBG society. Inauguration was done by Dr. Murugesh (Principal JJMMC), Dr. Shobana Patted, Dr. Bellad, Dr. Vidya Thobbi, Dr. Prema Prabhudev, Dr. Ravi Gowda, Dr. Shobha Dhananjay.

There was a panel discussion held on topic 'Abnormal uterine bleeding' by Dr. Vidya Thobbi (foods, drugs and medicosurgical equipment committee FOGSI) and Dr. Sugana with panel members consisting of Dr. Shukla S Shetty, Dr. Asha Mallapur, Dr. Shobha Dhananjay, Dr. Rashmi P.S., Dr. Kamlesh Chawla and Dr. Anuradha. It was an interesting discussion on classification on AUB, pathophysiology, treatment options and case scenario discussion. A workshop was conducted on physics and methodology of CTG by Dr. Prakash Mehtha, Chief Division of Maternal and Fetal Medicine, HOD, dept. of OBG, Bhagwan Mahaveer Jain Hospital, Bengaluru and team. CTG interpretation was made easy as it was a very informative and interactive session for postgraduates.



## Research Articles

### CASE REPORT: "ANESTHESIA FOR A CASE OF CRANIOTOMY WITH ACUTE MI"

Dr. Arun Kumar A (Professor & Hod), Dr. Shivakumar P (Professor), Dr. Annappa.S (Senior Resident), Dr. Rajesh Munigial (Postgraduate) Dept. Of Anesthesiology & Critical Care SSIMS & RC, Davanagere

**INTRODUCTION:** Administering anaesthesia to patients with preexisting cardiac disease is an challenge. Most com-mon cause of peri-operative morbidity and mortality in cardiac patients is ischaemic heart disease (IHD). IHD is number one cause of morbidity and mortality all over the world. Patients with recent (<60 days) myocardial infarction (MI) or unstable angina are at very high risk for major cardiovascular complications during anesthesia.

Presenting one such case which was operated in our institution.

Patient name: Veerabhadrappa

Age/sex: 80yr/male

Ip number : 1905180154

**DIAGNOSIS:** Left temporooccipital SDH with acute MI

**Procedure :** craniotomy and evacuation

Date : 21/5/19

#### HISTORY OF PRESENT ILLNESS:

H/o chest pain on 15/5/19 , patient was taken to govt. hospital and was diagnosed with STEMI , and was thrombolysed with reteplase.

H/o irrelevant talk since 18/5/19 and 4-5 episodes of vomiting was diagnosed to have SDH in **temporo occipital region**

Patient referred to SSIMS for further management

On arrival GCS E2V2M5

No h/o DM,HTN,TB,EPILEPSY , COPD , ASTHMA

H/O mild dry cough since 2 days

No h/o fever or cold of recent onset

No h/o allergies

smoker and alcoholic previously for 20 years , stopped in 1990

#### MEDICATION HISTORY :

**Tab clopidogrel 325mg given on 16/5/19 (stopped after that )**

Inj .ceftriaxonesulbactam 1.5gm bd

Injmannitol 20 gmtid

Injlevitracetam 500mg tid

Tab atorvastatin 20 mg od

Tab spironolactone 25mg od

Tab ramipril 2.5mg od

**4 pints of FFP transfused on 19/5/19**

IVF @50ml/hr **GENERAL PHYSICAL**

#### EXAMINATION :

PALLOR (-),ICTERUS(-) ,OEDEMA (-) ,CLUBBING (+)



TEMPERATURE: Afebrile  
PulseRate : 76bpm regular  
Bp:110/70mmhg  
**Spo2 :93% with 5lO2/min via facemask  
89% room air**  
**Airway examination:** couldn't be assessed as patient is disoriented  
Short neck +  
Anticipated difficult airway  
**Systemic examination :**  
Cvs : s1s2+ no murmurs  
Rs:b/lnvbs , no added sounds  
Cns : e4v2m5 , pupils: b/12mm srl  
Spine : couldn't be assessed  
**Investigations revealed:**  
Hyponatremia and hypokalemia which were corrected  
**LFT :**  
TB : 1.8,DB : 0.6,IB : 1.2 ,TP : 5.8  
Albumin :3.4, Globulin : 2.4  
SGOT ;98.6,SGPT: 73.8  
alp : 80.5 , GGT : 23.4  
**CHEST XRAY : diffuse haziness**  
**ECG: ST elevation in v2-v5**  
**2d echo: ischemic heart disease, rwma+ in mid and distal septum , lv apex and ant. Wall, dilated LA , mild MR, EF : 38%**  
**NECT BRAIN (18/5/19) :**  
**SDH** along left cerebral convexity causing mass effect towards rt side 11mm  
Rest of the blood investigations were within normal limits.  
**ASA GRADE : 4**  
**PREOPERATIVE INSTRUCTIONS:**  
Npo from 10pm  
Inj pantaprazole 40mg iv 6:am  
Adequate blood to be arranged  
cardiology opinion  
(patient can be taken under high risk )  
**Challenges for anesthesiologist:**  
**IHD with STEMI with moderate LV dysfunction with ejection fraction 38%**  
**SDH**  
**Pt had COPD**  
**Pt. was Chronic smoker and alcoholic**  
**Deranged liver function tests**  
A written informed consent was taken after explaining to the attenders in their own language  
**Immediate preop assessment :**  
Hr : 84bpm  
Bp: 160/90mmhg  
**Spo2 : 80% room air**  
OT was kept ready with cmac video laryngoscope, Difficult airway cart,Defibrillator.  
All inotropes, vasopresors and emergency drugs were kept ready  
**ANESTHESIADETAILS :**  
Patient was shifted to OT, monitors attached , baseline vitals noted.  
**Preoxygenated** with 100% oxygen. **Right Radial Arterial Line** was secured for beat to beat monitoring of blood pressure

.Premedicated with **glycopyrrolate 0.2mg , fentanyl 100mcg, midazolam 1mg** .Induced with **etomidate 20mg** and check ventilated .Inj xylocard 110mg was given to blunt the intubation response. Paralysed with **succinylcholine100mg**and bag and mask ventilated .**Intubated** with 8.00mmcuffed oral endotracheal tube using **CMAC video laryngoscope** and fixed at 21 cm after confirming b/l equal air entry .  
Anesthesia maintained with o2+n20+isoflurane+IPPV/atracurium  
**Right subclavian central line was secured using 7#,16cm cvp catheter via seldingers technique.**  
The patient was monitored throughout the intraop period for ECG, SPO2, beat to beat BP, temperature and CVP.  
Intraoperatively Heart rate was maintained between 60-80bpm.Bp was maintained between 100/60 to 130/80mmhg , saturation was maintaining between 86-96%  
At the end of procedure all anesthetic gases were cut .  
It was planned to electively ventilate the patient postoperatively.

**TRANSFER OUT DETAILS:**

Total input : 500ml  
Output :50ml  
Blood loss :200ml  
Duration of procedure : 1hr 40mins

**On arrival to nsicu :**

Hr : 76bpm bp : 190/110mmhg  
Rr : 14cpm spo2 86%  
Rs :b/l equal air entry +  
Cvs : s1s+ no murmurs  
Cns : patient paralysed  
Patient connected to ventilator with following settings :  
**VCM**

FIO2	PEEP	RR	TV
80	6	14	450

**POST OPORDERS :**

Npo till urther orders  
Continue mech vent on vcm  
Abg and chest xray to be done  
Ivparacetamol 1gm tid infusion  
Cardiac review  
Ivlabetalol 10mg stat  
Iv morphine 4mg stat  
Iv midazolam + morphine infusion @2ml/hr  
IVF as per cardiologist review  
Treatment as per chart  
Monitor vitals , inform sos  
The patient was on ventilator for 24hrs post surgical period. He was ventilated with pressure control ventilation with a pressure support of 20& resr rate of 14cpm under sedation with inj morphine and midazolam .In evening patient had a severe drop in BP to 70/50mmhg for which inotropes (noradrenaline @10ml/hr & dobutamine @5ml/hr) were started.  
During the 24hr period patient had atrial fibrillation which was corrected with inj. amiodaraone 150mg and an infusion of 5ml/hr  
Once the patient was stable and all parameters came to acceptable limits , we planned to wean the patient of the ventilator.





Patient was given cpap trial & was maintaining vitals.  
Pt was nebulised with duolin and budacort  
Patient was given t piece trial and all vital parameters were maintained within normal limits.

Inj hydrocort 100mg iv was given

Patient was extubated at around 3:00pm and was maintaining vitals well.

Post extubation plans were

Propped up position

O2 supplementation @5l/min to be continued .

Neb with duolin stat

Chest physiotherapy

Chest xray and abg post extubation

Watch for desaturation and respiratory distress

Monitor vitals inform sos

Patient was shifted out of neurosurgery icu to wards 24 hours post extubation

**CONCLUSION:** As the incidence of IHD increases in the population, the number of patients coming for non-cardiac surgery will also increase. As these patients are prone for myocardial ischaemia, infarction and arrhythmias during peri-operative

period, a thorough evaluation has to be done regarding history and tests. Any modifiable risk factors have to be corrected. Whenever required, further testing has to be ordered. Since this is a team effort, we have to involve cardiologists, surgeons, treating physicians and patients. Anti-failure medications, beta-blockers and statins have to be continued throughout peri-operative period. For regional anaesthesia, guidelines have to be followed regarding anticoagulant medications. Factors which alter myocardial oxygen supply-demand ratio are to be taken care of. Monitoring is important to detect early ischaemia and rhythm disturbances. Post-operative pain management is other important aspect. Hence, proper evaluation of preoperatively, maintenance of anesthesia intraoperatively and appropriate post op management of pain goes a long way to a better outcome in high risk patients.

**BIOLOGICS IN DERMATOLOGY**

Dr Jagannath Kumar V, Prof &HOD, Dr Manjunath Hulmani, Professor, Dr.Munaza Kulsum, PG

**INTRODUCTION**

Biologics refer to protein molecules therapeutically used in various diseases so as to target specific points in the inflammatory cascade of these disorders. Any therapeutic serum, toxin, antitoxin, vaccine, virus, blood, blood component or derivative, allergenic product, analogous product, or derivatives applicable to the prevention, treatment, or cure of injuries or disease of man is considered as biologics.

**CLASSIFICATION**

Biologics are generally divided into three major groups:

a) Monoclonal antibodies

b) Fusion antibody proteins

c) Recombinant human cytokines and growth factors

**A) MONOCLONAL ANTIBODIES**

Monoclonal antibodies target specific cell-surface receptors.

They may be categorised into three classes:

(a) chimeric antibodies comprising of 30% murine genes fused with human antibodies

(b) humanised antibodies, which have 10% murine sequences, and

(c) human antibodies, which are solely derived from human immunoglobulin genes

Monoclonal antibodies are:

- Anti-TNF?: Infliximab, Adalimumab, Certolizumab, Golimumab
- Anti-LFA1: Efalizumab
- Anti-CD20: Rituximab
- Anti-IL-12 and anti-IL-23 monoclonal antibody: Ustekinumab
- Anti-CD2 antibody: Siplizumab
- Anti-CD4 antibody: Orthoclone (OKTcd4a)
- Anti-CD25 antibodies: Basiliximab, Daclizumab
- Anti-CD80r: Galiximab (IDEC 114)
- Anti-IgE: Omalizumab

**1. Infliximab**

Infliximab (trade name Remicade) is a human-mouse monoclonal antibody that binds to and inhibits the activity of TNF- $\alpha$ , and also causes lysis of TNF- $\alpha$  producing cells.

Important uses of Infliximab

**1. Psoriasis:**

It is given as an IV (intravenous) infusion in doses of 5 or 10 mg/kg, over a period of 2 hours at weeks 0, 2, 6 and may be followed by repeat single infusions at 8-12 week intervals

**2. Atopic dermatitis**

**3. Hidradenitis suppurativa**

**Rituximab**

Rituximab is a monoclonal humanised antibody directed against the B cell-specific antigen CD20.

Important uses of Rituximab

**1. Lymphoma:** It has been used in patients with CD20-positive non-Hodgkin's lymphoma in a dosage of 375 mg/m<sup>2</sup> for four infusions.

**2. SLE-** single infusion of 100 mg/m<sup>2</sup>, a single infusion of 375 mg/m<sup>2</sup>, or four weekly infusions of 375 mg/m<sup>2</sup>.

**3. Blistering diseases:** paraneoplastic pemphigus, pemphigus vulgaris.

**B) FUSION ANTIBODY PROTEINS**

Fusion proteins, also known as chimeric proteins, are proteins which are created by the fusion of the receptor domain of a human protein with the constant region of human IgG.

Fusion antibody proteins are:

Etanercept, Alefacept, Abatacept, Oncept, Denileukin Diftitox.

### Etanercept

Etanercept is a recombinant fully human dimeric fusion protein comprising of the human TNF- $\alpha$  p75 receptor and the Fc portion of human IgG1 molecule.

### Important uses of Etanercept

1.Psoriasis: Etanercept (Enbrel®) is FDA approved for use as subcutaneous monotherapy in psoriasis and psoriatic arthritis. The adult dose is 50 mg/week, given subcutaneously for three months .

2.Hidradenitis suppurativa

### **SECUKINUMAB**

Secukinumab is unique from other approved therapies for psoriasis as it is a first in class recombinant high-affinity, fully human monoclonal antibody of the IgG1/kappa isotype that selectively targets IL-17A. Secukinumab interferes in the psoriasis pathologic process by selectively binding to IL-17A and thereby preventing IL-17A interaction with the IL-17 receptor expressed on, for example, keratinocytes. By its mechanism of action, secukinumab prevents and reverses key pathologic processes in psoriasis leading to normalization of skin histology.

Dosage and schedule:

300mg subcutaneously at 0,1, 2, 3 weeks followed by every 4 weekly dose starting from 4th week.

### **BIOSIMILARS:**

Biosimilars are copies of innovator biologics agents and represents important advances in the field of biologics therapeutics. They have similar safety and efficacy profile as their reference product and are generally used to treat the same conditions. Unlike chemical generics, biosimilars are only similar to and not an exact replica of the original drug.

At present, biosimilars for **infliximab**, **etanercept**, and **adalimumab** are available in India.

### **SIDE EFFECTS OF BIOLOGICS**

Some of the adverse effects of biologics are described below:

Allergic reaction and antibody formation: Mostly seen with TNF- $\alpha$  blockers.

Mild transient injection site reactions: Comprising of erythema, oedema and bruising are noted.

Infusion reaction: Occurs during or within 1-2 hours of treatment and may affect up to 20% of all the patients treated with infliximab, rarely anaphylactic shock may occur.

Acute flu-like symptoms: Headache, chills, fever, nausea and myalgia may occur within 48 hours after administration of the first two doses of efalizumab and Interferon  $\alpha$ 2b.

Infections: Reactivation of tuberculosis may occur on treatment with anti-TNF- $\alpha$  agents and sepsis secondary to *Listeria monocytogenes* and *Histoplasma capsulatum* have been reported.

Malignancy: Patients previously treated with PUVA represent an at-risk group.

Demyelinating disease: Worsening of multiple sclerosis and demyelination reported with infliximab.

Thrombocytopenia: Occurs with efalizumab and warrants discontinuation of therapy.

Autoimmune haemolytic anemia: Occurs 4-6 months after the start of treatment with efalizumab.

Congestive cardiac failure: Worsening of congestive cardiac failure with TNF- $\alpha$  blockers is reported to occur.

Antinuclear antibodies and lupus-like syndrome: May develop during therapy with anti-TNF- $\alpha$  agents, but not associated with symptoms and signs of lupus in the majority.

Hepatitis: Reported following infliximab therapy, occurring from 2 weeks to more than a year after initiation of treatment.

### **CONCLUSION**

Biologics represent the future of therapeutics, not only in dermatology but also in other fields of medicine. Among all the dermatological disorders it is psoriasis where the biologics have been most evaluated.

## Academic Body Meeting

Dr BE Rangaswamy... Prof and Head Dept of Biotechnology, Dean Research and Development BIET gave a guest lecture on Funding agencies and tips to write project proposals on Academic body meet



## ಕನ್ನಡ ರಾಜ್ಯೋತ್ಸವ - ೨೦೧೯

### ಕನ್ನಡ ಅತ್ಯಂತ ಶ್ರೀಮಂತ ಪ್ರಾಚೀನ ಭಾಷೆಗಳಲ್ಲಿ ಒಂದು

ದಾವಣಗೆರೆ ಎಸ್ ಎಸ್ ವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ನವಂಬರ್ 26ರಂದು ಕನ್ನಡ ರಾಜ್ಯೋತ್ಸವ ಕಾರ್ಯಕ್ರಮವನ್ನು ವಿಜೃಂಭಣೆಯಿಂದ ಆಚರಿಸಲಾಯಿತು. ಸಮಾರಂಭದ ಮುಖ್ಯ ಅತಿಥಿಗಳಾಗಿ ಕನ್ನಡ ಸಾಹಿತ್ಯದಲ್ಲಿ ಹೆಸರು ಮಾಡಿರುವ ಶ್ರೀಮತಿ ಗಿರಿಜಾದೇವಿ ದುರ್ಗದಮಠ ಹಾಗೂ ಕನ್ನಡ ಬರಹಗಾರ ಶ್ರೀ ಸಂಪನ್ನ ಮುತಾಲಿಕ್ ಅವರು ಭಾಗವಹಿಸಿದ್ದರು. ಶ್ರೀಮತಿ ಗಿರಿಜಾದೇವಿ ಅವರು ಮಾತನಾಡಿ ಕನ್ನಡ ಭಾಷೆಯ ಭವ್ಯ ಇತಿಹಾಸ, ಕನ್ನಡ ನಾಡು ಬೆಳೆದು ಬಂದ ಬಗೆಯನ್ನು ಬಣ್ಣಿಸಿದರು. ಶ್ರೀ ಸಂಪನ್ನ ಮುತಾಲಿಕ್ ಅವರು ತಮ್ಮ ಭಾಷಣದಲ್ಲಿ ಕನ್ನಡ ಭಾಷೆಯ ಸಾಮರಸ್ಯ ಸಾರುವ ಅನೇಕ ಕವಿಗಳ ನುಡಿಮುತ್ತುಗಳನ್ನು ಉಲ್ಲೇಖಿಸಿ ಪ್ರತಿಯೊಬ್ಬ ಕನ್ನಡಿಗನೂ ದಿನನಿತ್ಯದ ಸಂದರ್ಭಗಳಲ್ಲಿ ಕನ್ನಡವನ್ನೇ ಬಳಸಿ ಕನ್ನಡ ಉಳಿಸಲು ಕರೆ ಕೊಟ್ಟರು. ಸಮಾರಂಭದ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದ ಪ್ರಾಂಶುಪಾಲ ಶ್ರೀ ಡಾ ಬಿ ಎಸ್ ಪ್ರಸಾದ್ ಅವರು ಮಾತನಾಡಿ ರೋಗಿಗಳೊಂದಿಗೆ ಸಂವಹನದಲ್ಲಿ ಪ್ರಾದೇಶಿಕ ಭಾಷೆಯ ಬಳಕೆಯ ಮಹತ್ವವನ್ನು ಅದರಲ್ಲೂ ಪರಭಾಷಿಕ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಕನ್ನಡ ಕಲಿಯುವ ಅನಿವಾರ್ಯತೆಯನ್ನು ಮನದಟ್ಟು ಮಾಡಿಕೊಟ್ಟರು. ವೈದ್ಯಕೀಯ ಅಧೀಕ್ಷಕ ಡಾ. ಕಾಳಪ್ಪನವರು, ಉಪಪ್ರಾಂಶುಪಾಲ ಡಾ. ಅರುಣ್ ಕುಮಾರ್, ವಿದ್ಯಾರ್ಥಿ ಸಂಘದ ಛೇರ್ಮನ್ ಡಾ ವಿನೋದ್ ಕುಮಾರ್ ಮತ್ತು ಸಂಘದ ಪದಾಧಿಕಾರಿಗಳು ಮತ್ತು ಕನ್ನಡ ಬಳಗದ ವಿದ್ಯಾರ್ಥಿ ಪ್ರತಿನಿಧಿಗಳಾದ ಶ್ರವಣ್ ಮತ್ತು ಸ್ವಾತಿ ಉಪಸ್ಥಿತರಿದ್ದರು.



### Publications of the Staffs

Sl No	Authors	Title of the Article	Journal/ Citation
1	Dr. Shabnam.S Dr. C.R. Malliakrjun Dr. Peersab M.P	Evaluation of Cystatin-C as a Biomarker of Renal Function in Type-2 Diabetic Mellitus	Int Journal of Scientific Research Vol-8, Issue-12, December-2019
2	Dr Shanthala Arun Kumar Dr.Ruchi Sood Dr.Latha G S	Ocular Manifestations in Multi-Transfused Children with Beta Thalassemia Receiving Chelating Agents	Journal Of Medical Science And Clinical Research 2019
3	Dr.Renuka Barki Dr.Mansi Mehrotra Dr Shanthala Arun Kumar	Comparison Study For Refractive Outcome With And Without 1% Tropicamide Plus Eye Drop	Journal Of Medical Science And Clinical Research 2019
4	Dr.Venkataramanarao.M Dr.Srinath S R Dr.Manjunath J. Dr.Sachin N S Dr.Ashwin Gobbur	Clinico-Radiological and functional outcome of Precontoured lateral clavicle locking compression plate with broad lateral end clavicular fractures	Orthopaedic Research Online Journal
5	Dr.Manjunath J. Dr.Venkataramanarao.M Dr.Srinath S R Dr.Kiran G U Dr.Shashidhara H Dr.Druva V	Clinico-Radiological and functional outcome of Unstable Intertrochanteric fractures by proximal femoral nail Antirotation-2(PFN-A2)	Orthopaedic Research Online Journal