



Bapuji Educational Association (Regd.)

SSIMS TIMES



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Official Quarterly News Bulletin of SSIMS & RC , Davangere

Sri. Dhanvantari & Sri. Ganapati Pooja at SSIMS Hospital



94th Birthday Celebration of Sri Shamanuru Shivashankarappaji



Photo Gallery



SSIMS & RC, Davangere

Inaugural Function BCME April 2024



Issue of Bapuji Health Card



World Environmental Day



World Vitiligo Day



World Health Day Quiz



Blood Donation Camp on Birthday of Dr. Shamanur Shivashankarappaji



Blood Donation Camp



World Yoga Day





Bapuji Educational Association (Regd.)
S. S. Institute of Medical Sciences & Research Center,
Davangere - 577 005



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Principal's desk



On behalf of SSIMS and RC, I would like to convey my heart felt wishes, health & happiness to our beloved Dr. Shamanur Shivashankarappaji, Hon secretary, BEA, Davangere (south), Ex, Minister of Horticulture & APMC Govt of Karnataka on the occasion of his 94th birthday.

I also hereby, congratulate our GC member & SS Care life Trustee Smt. Dr. Prabha mallikarjuna for getting elected as member of parliament (MP).

I would like to convey my regards to each & every one who is good & constructive academic, research & curricular activities which help in taking the institution's name to great height.

Dr. B.S Prasad

Editor's desk



On behalf of Editorial team of SSIMS Times, I would like to express my heartfelt wishes to our respected Dr. Shamanur Shivashankarappji, Hon. Secretary, BEA, MLA, Davangere (South), Ex.Minidster of Horticulture and APMC, Govt of Karnataka on the occasion of his 94th Birthday. Further, I hereby congratulate Smt. Dr. Prabha Mallikarjun, Governing Council member,SS Care Trust's Life Trustee for getting elected as Member of Parliament from Davangere Constituency.

This Quarterly issue of SSIMS Times, edited by the editorial team headed by Dr. Mallikarjun CR & assisted by Dr. Dattatreya, & Dr. Arun Kumar & Dr. Ramprasad would like to thank All the teaching faculty & PGs who have contributed the articles for publication in this issue.

Dr. Mallikarjuna C.R.

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Departmental Activities

Department of Anatomy

Dr. Raghavendra A.Y Professor and Dr. Santosh Bhosale Professor participated in BCME programme as resource persons and conducted sessions for delegates from 18th to 20th April 2024 at SSIMS&RC.

Department of Physiology

Dr Suneeta Kalasuramath, Professor, participated in the Intercollegiate UG level Physiology quiz “Wisdom Quest” at SDM College of Medical Sciences and Hospital, Sattur Dharwad on 18th May 2024. I MBBS students Ms Kruthika M B & Mr Vishal B Amehosur contested and won II prize.

Dr Suneeta Kalasuramath Professor, Dr Vishalaxi Jadav Assistant Professor attended the CME on Memory & Dementia at SDM College of Medical Sciences and Hospital, Sattur Dharwad on 1st June 2024.

Dr. Soumya. B.A. Associate Professor SSIMS & RC, Davangere visited SDM College of Medical Sciences and Hospital, Sattur – Dharwad as an Observer for Jeeva Raksha cECLS Workshop for Interns held on 1st June 2024.



Department of Pathology

15.04.2024: PRATIGNA blood donation awareness & prevention of anaemia awareness programme was conducted for I year MBBS students under the aegis of S.S Care Trust by Dr Deepti Pruthvi, Professor Department of Pathology. Dr Shashikala P, Professor & Head, Department of Pathology spoke on awareness of blood donation. Dr Latha G S spoke on the requirement of blood in paediatric age group. Dr Harish Kumar V S, student union Chairman, Dr Pradeep A N, Dr Santhosh Bhosale & student union members were present.

16.04.2024: PRATIGNA blood donation awareness & prevention of anaemia awareness programme was conducted for II year MBBS students under the aegis of S.S Care Trust by Dr Balaji T. G, Associate Professor, Department of Pathology. Dr Shashikala P, Professor & Head, Department of Pathology spoke on awareness of blood donation. Dr Harish Kumar V S, student union Chairman was present on the occasion.

17.04.2024: PRATIGNA blood donation awareness & prevention of anaemia awareness programme was conducted for III year MBBS students under aegis of S.S Care Trust by Dr Rajashree K, Associate Professor, Department of Pathology. Dr B. S Prasad, Principal, SSIMS & RC also spoke to the students on the occasion. Dr Harish Kumar V S, student union Chairman, Dr Pradeep A N was also present on the occasion. Twenty two students enrolled for voluntary blood donation.

18.04.2024: PRATIGNA blood donation awareness & prevention of anaemia awareness programme was conducted for final year MBBS students under aegis of S.S Care Trust by Dr Neetha Y, Associate Professor, and Department of Pathology. List of voluntary blood donors was taken by class representative.

22.04.2024: Voluntary blood donation camp-PRATIGNA was organised by S. S Care Trust at OPD Block, SSIMS&RC from 9:00am to 1:00pm. Undergraduates, Interns, Teaching staff came forward & voluntarily donated blood.

Dr B S Prasad, Principal SSIMS&RC, Dr Arunkumar Ajjappa, Medical Director, Dr Shashikala P, Prof & HOD, Pathology. Dr Ashwin Kumar, Prof & HOD, Community Medicine, Dr Harish, student union Chairman, Dr Pradeep, participated in the inauguration. Total of 28 donations took place.

Dr Shashikala P, Prof & HOD, Pathology, Dr Kavita G U, Dr Balaji T G, Dr Neetha Y, Dr Sreevidyalatha G M, Dr Ramyshree G, Dr Disha B S, Dr Pruthvi D, Dr Sathyashree K V, Postgraduates, Technicians & Nursing staff conducted the camp.



12.05.2024: Voluntary blood donation camp was organized by Mr. Amith A. at Honnali. Dr Pruthvi D, Assistant Professor, Postgraduates, Interns, Technicians & staff nurse conducted the camp. A total of 28 units of blood were collected.

03.06.2024: Voluntary blood donation camp was organized at Bapuji Dental College Hospital under aegis of S.S Care Trust on account of Birthday celebration of Hon. Secretary Dr Shamanur Shivashankarappa, Dr. Shashikala P, Professor & HOD, Department of Pathology & Dr. Sreevidyalatha G M, Assistant Professor along with postgraduates, technicians & nursing staff conducted the camp. A total of 43 units of blood were collected.

11.06.2024: Voluntary blood donation camp was organised by S S care trust at BCA Bapuji College in view of 94th birthday of Dr. Shamanur Shivashankarappa, Hon. Secretary, BEA and 57th Birthday of Sri S S Mallikarjun, Chairman, SSIMS & RC. Dr. Dhanyakumar, S S care trust member was present along with organizers and Principal of the college. Dr. Neetha Y, Associate Professor, Postgraduates, technicians and nursing staff conducted camp. A total of 31 units of blood were collected.

14.06.2024: Voluntary blood donation camp was conducted at SSIMS & RC, organized by student union on the occasion of 94th birthday of Hon. Secretary Dr. Shamanur Shivashankarappa. He graced the occasion congratulated the donors & distributed certificates to donors.

Dr. Shashikala P, Vice Principal & HOD Pathology honoured Mr. Thippeswamy on his 102nd blood donation on this occasion & congratulated & thanked all donors & motivated students.

Dr. B S Prasad, Principal SSIMS & RC, Mr. Ravi, Manager, SSIMS & RC graced the occasion, Mrs. Girijamma – governing council member graced the occasion & planted saplings. Various faculties from clinical, para-clinical teaching and nonteaching staff donated blood on the occasion. Dr. Arunkumar Ajjappa, Medical director, SSIMS & RC guided the programme online.

Dr. Shrestha, daughter of Chairman also donated blood on the occasion.

Total number of units collected were 67. All postgraduates from Pathology department were present for donation camp.

Department of Pharmacology

Pharmacovigilance Report: Summary of reported ADRs and reported drugs from the month of January 2024 to June 2024

This analysis is based on the reported ADRs from the month of January 2024 to June 2024. Total 16 patient's reports were collected and analysed from different departments of the Institution (Figure 1).

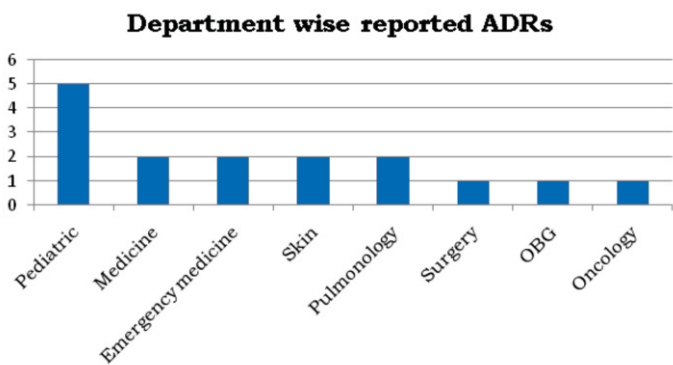


Figure 1: Department wise reported ADRs

The ADRs were categorized according to WHO's System Organ Class Classification. Vancomycin and Ceftriaxone were found to be the most common drugs causing Adverse Drug Reactions. The profiles of drugs are given in the Figure 2.

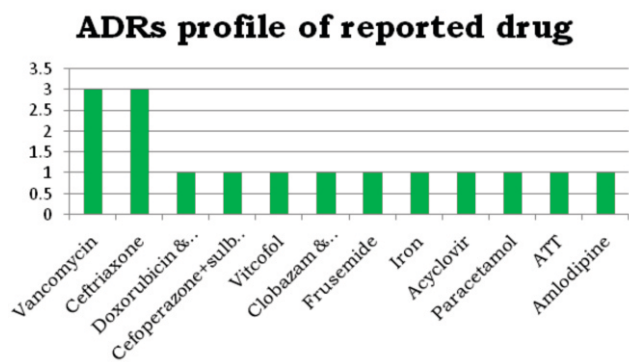


Figure 2: ADRs profile of reported drug

Out of 16 drugs, most commonly observed Adverse Drug Reactions were related to skin and appendages disorders accounting for 37%, followed by gastro-intestinal disorders (31%), Renal system disorders (19%) and central and periphery nervous system disorder (13%) shown in Figure 3 and Table 1.



Categorized ADRs according to WHO's System Organ Class Classification

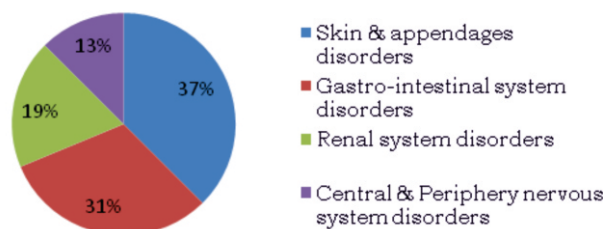


Figure 3: Categorized ADRs according to WHO's System Organ Class Classification

Skin & appendages disorders	Vancomycin, Ceftriaxone Acyclovir, Iron
Gastro-intestinal system disorders	Doxorubicin & Cyclophosphamide Cefoperazone+sulbactam Paracetamol Antitubercular drugs Ceftriaxone
Metabolic impairment	Vancomycin Frusemide Amlodipine
Central & Periphery nervous system disorders	Vitcofol Clobazam & levateracetam

Table 1: List of Adverse Drug Reactions categorized according to WHO's System Organ Class Classification

3. In continuation, on April 26th, the 3rd-year students at UHC, Bashanagar marked the observation of " World Malaria Day " House-to-house visit , Larval survey followed by Health education regarding Mosquito control measures and the number of houses covered were 98.

4. Dr Vijay S, Assistant Professor successfully completed workshop on Basic course in medical education from 18th to 20th April 2024

5. World Hypertension Day was Observed at Bethur on 17th May 2024. Total beneficiaries screened for Diabetes and Hypertension were 37. Fundoscopy , ECG and proteinuria test were done followed by Consultation from Physician , Ophthalmologist and Dietician.



SS CARE TRUST ACTIVITIES

1. Cervical and Breast screening programme was organized by Department of Community Medicine with S S Care trust on 19th April 2024 in OBG department of SSIMS & RC Davangere. Total beneficiaries screened were 29.

2. Cervical and Breast screening programme was organized by Department of Community Medicine with S S Care trust on 26th April 2024 in OBG department of SSIMS & RC Davangere.. Total beneficiaries screened were 18.

3. Cervical and Breast screening programme was organized by Department of Community Medicine with S S Care trust on 03rd May 2024 in OBG department of SSIMS & RC Davangere.. Total beneficiaries screened were 06.

Department of Community medicine

1. A quiz was conducted on the occasion of World Health Day by department of Community Medicine in association with IAPSM. Preliminary round was conducted on 02/04/24. 4 teams were selected for the final round which was conducted on 08/04/24. The quiz was attended by all faculty and postgraduate students of department of community medicine. Winners were awarded with cash prize. Dr Sindhu P was the quiz coordinator, Dr Asha B was the quiz master and Dr Vidya V Patil was the score recorder.

2. On 25th of April 24, the 3rd-year students at UHC, Bashanagar marked the observation of " World Malaria Day " This exercise aimed to raise awareness about the dangers of mosquito borne diseases and the importance of preventive measures. No of Participants: 50.



4. A health check up camp was conducted on 12th May 2024 at Nagarasanahalli, Davanagere by Department of Community medicine along with S S Care trust. Department of general medicine, ophthalmology, dermatology, OBG, orthopedics also attended the camp. A total of 117 patients were screened for diabetes, hypertension, obesity, cardiovascular disease, eye problems, gynecological problems and skin problems.

5. Cervical and breast cancer awareness and screening programme was organized by Department of Community Medicine under the aegis of SS Care trust for female employees of BIET college on 07/06/24. Total beneficiaries screened were 23.

6. SS Care Trust Urban Health Check up Camp was organized by department of Community Medicine on 10/06/2024 at Ukkadagatri, Davanagere. Department of ophthalmology also participated in the camp. Total beneficiaries attended - 125, Males- 51, Females - 74

7. During the months April to June, an ongoing NCD survey is conducted at Arasapura and the total houses visited is 123.

Dr.Deviprasad D and Dr. Marina Saldanha, alumni of ENT department of JJMMC, Davanagere were the invited resource persons. Dr.Deviprasad D, is currently heading the department of ENT at Kasturba Medical College, Mangaluru. Dr Marina is Associate professor in KS Hegde Medical academy, Mangaluru.

Dr. Marina delivered lecture on Endoscopic Anatomy of Ear. This was followed by a series of live endoscopic surgeries by Dr.Deviprasad D. He performed Endoscopic Tympanoplasty, Endoscopic Stapedotomy and Endoscopic Myringotomy with Grommet insertion to the audience.

The dignitaries on the dais included Dr. Shukla Shetty, Principal, JJMMC; Dr.Somashekhar, In-charge Medical Superintendent, JJMMC; Dr. Arunkumar Ajjappa, Medical Director, SSIMS& RC; Dr. K.P.Basavaraju, Prof & Head, Dept of ENT, JJMMC; Dr.Yogessha B.S, Prof & Head, Dept of ENT, SSIMS& RC; Dr.Renukananda G.S, President, AOI Davanagere branch; Dr. Prashanth K.B, Dr.Munish K.S, Organizing secretaries; and the guest faculties. The program was inaugurated by the dignitaries on the dais by lighting the ceremonial lamp.

Dr. K.P. Basavaraju welcomed the gathering. Dr.Deviprasad D, chief guest, spoke about his experience and addressed the gathering. Dr. Shukla Shetty and

Dr. Arunkumar Ajjappa addressed the gathering and wished it success. Vote of thanks was delivered by Dr.Manjunatha H.A.



Department of Otorhinolaryngology

Brief report of the CME -Live Surgical Workshop on Endoscopic Ear Surgery on 20/07/2024


Department of ENT, JJMMC in association with Department of ENT, SSIMS& RC and AOIK Davanagere conducted CME "Live surgical workshop on Endoscopic ear surgery" on 20th July 2024. Over 100 delegates from all across the state participated in the CME.





Department of Emergency Medicine

Success stories :

Sl No.	Name/Age/Sex	Description
1.	Ramesh 	A case of Paraquat poisoning. Paraquat is exceedingly toxic to humans, and as little as one teaspoonful of the active ingredient may be fatal with death. multiple organ (cardiac, respiratory, renal, hepatic, adrenal, pancreatic, and neurological) failure occurs with early death in hours or days. Our patient was managed conservatively and effectively with 2 cycles of plasmapheresis. Serial investigations were sent and showed improving values. Patient had a total hospital stay for 1 week and was discharged as he was symptomatically better and hemodynamically stable.

Academic Activities:

Department of Emergency Medicine organized AHA certified ACLS and BLS provider workshop from 1st to 3rd of April 2024 at SSIMS and RC. PG's and faculties from multiple departments and colleges had attended the same.

A case report by Dr.Narendra S.S, Dr.Dileep C.N. and Dr. Aravind P.K has been accepted by the journal of Indian society of toxicology for publication, titled "Dilemma in unknown bites: a case of scorpion sting with multiple cerebral and cerebellar infarcts".

Department of Dermatology venereology & leprosy

World Vitiligo Day

World Vitiligo Day was commemorated in department of dermatology on June 26, 2024. As we do every year, we kept up our efforts to dispel falsehoods about vitiligo at S S Hospital (in front of the admission block) and to honour the occasion by educating the public and patients. Postgraduate students skit, talk about awareness and vitiligo poster display was done.

It was followed by a presentation on vitiligo awareness by Dr. Prasad B S, The Principal, Dr. Arun kumar Ajjappa, Medical Director, Dr. Shashikala P. Professor & HOD, department of Pathology who discussed the various aspects of treatment options for vitiligo. Dr. Manjunath Hulmani, Professor & HOD , dept of Dermatology, gave an educational talk on vitiligo. Other staffs of department of dermatology and various other departments of SSIMS & SSINS, undergraduate students and nursing staffs participated in the program.

Attended conference :

1. Dr. Manjunath Hulmani, Professor & HOD department of dermatology has participated as delegate in the conference "MIDCUTICON-2024" conference 2024 held on 4th& 5th May 2024 at REGENTA RESORT SAKLESHPUR.

2. Dr. Manjunath Hulmani, Professor & HOD department of dermatology has participated as delegate in the conference ACSI from 17th& 20th June- 2024 at Grand Hyatt , Goa.



3. Dr.Shreyas Kololgi, Postgraduate student, IMPACT programme on 19th June 2024, Hubli.

4. Dr. Manjunath Hulmani, Professor & HOD, gave a talk on - "Overcoming challenges: Strategies in the prevention and management of drug resistance in leprosy" & PG's Dr.Shreyas Kololgi, Dr.Sheethal C H, Dr.Abhishek Reddy,Dr.Divya H S, Dr.Akhila P A & Dr.Thirth Kumar H V, department of dermatology has participated as delegate in the conference "ROOTS - VII" at National Conference on 21st to 23rd june-2024 at NIMHANS Convention Centre, Bangalore.

Camp : • Date: 12/05/2024,
Doctors: Dr.Madhu M, Assistant Professor,
Dr.Manish M , PG
Place: Nagarasarahalli, Davangere.

Department of Psychiatry

1. Dr. Mruthyunjaya N, Professor and HOD, addressed the teachers of Edu ASIA schools and college about the 'Educators Transformation Session 2024-25' held on May 24, 2024 at Edu ASIA school, Davangere.

2. Our final-year PG, Dr. Kavya, was selected for the national-level 'Torrent Young Scholar Award Psychiatry 2024,' which was held in Ahmedabad on May 12. She secured 4th place among the Psychiatry residents at the national level.

3. Dr. Mruthyunjaya N, Professor and HOD, along with final-year postgraduates Dr. Kavya and Dr. Sandeep M. R., addressed the freshers on 'Adolescence Health and Hygiene' and 'Mental Health and Hygiene' during the orientation program for the 2024-25 batch of Diploma students of Bapuji Polytechnic Shabanur on June 27, 2024.

4. Dr. Supritha, Dr. Mruthyunjaya N, Dr. Shashidhara H L, Dr. Sandeep M R published an article "Stressful life events in Impulsive and Non-Impulsive suicide attempters - A Cross sectional study" in Indian Journal of Psychological Medicine, volume 46, issue 4.



Department of General Medicine

Dr. Parikshith. J, Asst Professor attended KAPICON 2024 AT Mandya 24th to 26th July 2024 and he judged the paper and poster presentation.

Dr. Kevin Farask D'souza, Asst Professor , attended KAPICON 2024 AT Mandya 24th to 26 July 2024 and he presented paper : " **Significance of aPTT as early predictor of bleeding in Dengue Fever** "

Dr. Kavana K.B : II year P.G Student presented a Poster on "An unusual case of Pachymeningitis presenting as multiple cranial nerve palsy" Under the guidance of Dr.Yeshavanth.G Prof & HOD KAPICON 2024 at Mandya From 24th to 26th July 2024. Paper : A study of mean platelet volume, neutrophil lymphocyte ratio and mean platelet volume to platelet count ratio as predictors of mortality in patients with sepsis in tertiary care hospital. Under the guidance of Dr.Yeshavanth.G Prof & HOD at state conference KAPICON 2024 at Mandya From 24th to 26th July 2024.

Dr. Suma Gangatkar II year P.G Student presented a Poster : A rare case of stroke in young presenting as leukemia. Under the guidance of Dr.Yeshavanth.G Prof &HOD KAPICON 2024 at Mandya From 24th to 26th July 2024. Paper: A cross sectional study on mean platelet volume, HbA1C and diabetic retinopathy in patients with diabetes mellitus. Under the guidance of Dr.Yeshavanth.G Prof & HOD at state conference KAPICON 2024 at Mandya From 24th to 26th July 2024



Scientific Articles

Department of Dermatology venereology & leprosy

Topic : Biologics in dermatology

Dr.MunazaKulsum, Assistant Professor &Dr. Manjunath Hulmani, Professor & HOD, Dr.Jaswitha D, PG

Introduction :

Biologics are genetically engineered proteins produced by living organisms to target specific points of inflammatory cascade including. Antibodies against cell surface markers, cytokines and adhesion molecules.

They inhibit specific components of the immune system.

Any therapeutic serum, toxin, antitoxin, vaccine, virus, blood, blood component or derivatives, 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:

1. Monoclonal antibodies
2. Fusion antibody proteins
3. Recombinant human cytokines and growth factors

Monoclonal Antibodies

- 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

Fusion Antibody Proteins

- Etanercept, Alefacept
- Abatacept, Onercept
- Denileukin, Diftitox

Dr. Meena N. II year P.G Student presented a **Poster** : A Case Of Right Atrial My xoma, Under the guidance of Dr. Prakash. Gundagatti . Associate Professor KAPICON 2024 at Mandya From 24th to 26th July 2024. **Paper** : A Comparison Of Bisap Score And Serum Procalcitonin For Predicting The Severity Of Acute Pancreatitis. Under the guidance of Dr. Prakash Gundagatti . Associate Professor, at state conference KAPICON 2024 at Mandya From 24th to 26th July 2024

Dr. Farhanaz, II year P.G Student presented a Poster : A study on lingual myoclonus is progressive supranuclear palsy patient " Under the guidance of Dr. Suman.G.R , Associate Professor Dept of General Medicine , Dr.Rachitha Dutta Asst Professor, Dept of Neurology , KAPICON 2024 at Mandya From 24th to 26th July 2024 Paper : study of the red blood cell indices and coagulation profile in relation with glycated hemoglobin (HbA1C) in type 2 diabetes mellitus at a tertiary care hospital. Under the guidance of Dr.Peersab.M.Pinjar Professor Dept of General Medicine, at state conference KAPICON 2024 at Mandya From 24th to 26th July 2024

Dr. Bharath.S.J II year P.G Student presented aPoster : "Unusual Presentation Of Membranous Nephropathy As Arterial Thromboembolism" Under the guidance of Dr. Pramod G.R Associate Professor Dept of Nephrology , at state conference KAPICON 2024 at Mandya From 24th to 26th July 2024. Paper : A Study Of Red Cell Distribution Width Vs Child Turcotte Pugh Score In Chronic Liver Disease Patients In A Tertiary Care Centre. Under the guidance of Dr. Suman.G.R Associate Professor KAPICON 2024 at Mandya From 24th to 26th July 2024.

Partha R.P, II year P.G Student presented a **Poster** : An Usual Case Of Primigrarida Present With Quadripareisis- PRES- SCI. Under the guidance of Dr.Yeshavanth.G Professor and HOD, KAPICON 2024 at Mandya From 24th to 26th July 2024. **Paper** : A study of correlation between non-alcoholic fatty liver disease and lipoprotein A level. Under the guidance of Dr.Sriharsha Kulkarni Associate Professor , KAPICON 2024 at Mandya From 24th to 26th July 2024



Recombinant Human Cytokines And Growth Factors

a) Recombinant human cytokines and growth factors:- Interferons: Interferon α (IFN α), Interferon β (IFN β), Interleukin 1 Receptor antagonist (IL1Ra), Interleukin 2 (IL-2), Interleukin 4 (rhIL-4), Interleukin 10 (rhIL-10), Interleukin 11 (rhIL-11).

b) Granulocyte macrophage colony stimulating factor (GM-CSF)

c) Platelet derived growth factor (PDGF)

The most commonly used biologics in the department of dermatology are:

1. Rituximab-

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

Lymphoma: It has been used in patients with CD20-positive non-Hodgkin's lymphoma.

Systemic lupus erythematosus

Blistering diseases: paraneoplastic pemphigus, pemphigus vulgaris.

2. Omalizumab-

Omalizumab is a recombinant, humanised, monoclonal antibody against immunoglobulin IgE.

This agent acts as a neutralising antibody by binding to IgE at the same site as its high-affinity receptor, Fc ϵ R1, thus inhibiting the biological effects before the generation of allergic symptoms.

It is indicated in chronic urticaria, cold urticaria and atopic dermatitis.

3. Secukinumab and Ixekizumab-

They interfere 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 and ixekizumab prevent and reverse key pathologic processes in psoriasis leading to normalization of skin histology

Side Effects of Biologics

- Allergic reaction and antibody formation
- Infusion reaction
- Acute flu-like symptoms
- Infections
- Malignancy
- Demyelinating disease
- Thrombocytopenia
- Autoimmune haemolytic anemia
- Congestive cardiac failure
- Antinuclear antibodies and lupus-like syndrome
- Hepatitis

Patient Screening For Biologic Therapy

- All patients to be put on biologics should undergo a thorough evaluation including detailed clinical history, physical examination and relevant investigations with particular reference to known toxicity profile of the agent being considered.
- The investigations generally advised are: full blood count, liver and renal function tests, screening for hepatitis and HIV infection, anti-nuclear antibodies, anti-ds DNA, urine analysis, chest X-ray and Tuberculin skin testing.
- Haemogram (including platelet count) is recommended monthly for the first 3 months and then every 3 months. For TNF blockers, it is done at 3 months initially and repeated every 6 months.
- Liver and renal function tests, serum electrolytes and urine analysis are done at 3 months initially and then every 6 months.

Exclusion Criteria / Contraindications

- Active tuberculosis, severe congestive heart failure, patients having >20 treatments of PUVA
- History of demyelinating disease or optic neuritis, hepatitis B and C positivity, HIV positivity, premalignant states, active infections
- Chronic leg ulcers, persistent or recurrent chest infections and indwelling urinary catheter infections, pregnancy and breast-feeding.



Conclusion

Biologics represent the future of therapeutics, not only in dermatology but also in other fields of medicine.

Rituximab, Omalizumab, Secukinumab and Ixekizumab are the most commonly used biologics in the dermatology OPD.

Department of Anaesthesia

Combined spinal epidural with volume expansion technique in Patient with Right neck of femur fracture with recent Myocardial infarction Status post PTCA with (DES).

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

Introduction : The anaesthetic management and post operative pain management in patients with ischemic heart disease (IHD) presents unique challenges, particularly in the context of surgical procedures. The combined spinal-epidural (CSE) technique, complemented by epidural volume expansion (EVE), offers rapid onset of spinal anaesthesia with the prolonged relief provided by the epidural route, while minimizing hemodynamic instability.

Case history :

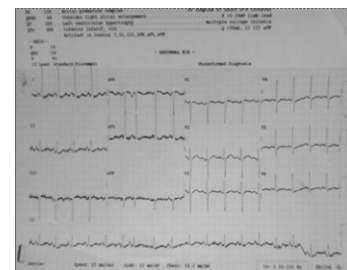
A 65 Years old female with right neck of femur fracture posted for modular bipolar hemiarthroplasty. Patient had history of recent MI status post PTCA done one month back with the drug eluding stent (DES) was on T.Ecosprin 75mg, Tab. Clopidogrel 75 mg of and was stopped 7 days before surgery and bridged with heparin 4000 IU TID stopped 12Hrs before surgery. 2D echo reveals are RWMA in septum LV apex and anterior wall with EF 35% with moderate LV dysfunction.

At preanesthetic check-up 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 O2 2L/min via nasal prongs. Right radial arterial line was secured. Procedure was done under combined spinal epidural with epidural volume expansion, 1.8cc of 0.5% Bupivacaine hyperbaric for subarachnoid block followed by 6cc 0.9% NACL was given epidural route 5min after spinal anaesthesia.

Patient was stable intraoperatively with postoperative period being uneventful.

Approach	: Right Femoral Artery
Catheter	: LCA 6/6 JL RCA 6/6 JR
Li. Main Coronary Artery	: Normal
Li. Ant. Descending Artery	: 3.0mm Vessel and Proximal LAD has 80% Stenosis Diagonals Normal.
Ramus	: 2.5mm Vessel, Normal.
Left Circumflex Artery	: 2.75mm Non Dominant Vessel and Normal OM's Normal.
Right Coronary Artery	: 2.75mm Dominant Vessel and Normal PDA, PLV Normal.
Final Diagnosis	: Single Vessel Disease
PLAN	: PTCA with Stenting to LAD (DES)



Discussion : The combined spinal-epidural (CSE) technique offers significant advantages for patients undergoing surgery, particularly those with cardiac conditions. In patients with recent myocardial infarction (MI) and drug-eluting stents (DES), maintaining hemodynamic stability is paramount.

Recent guidelines emphasize the importance of a thorough preoperative cardiac assessment for patients with recent MI and DES. The timing of surgery after MI is crucial; elective surgeries should ideally be delayed to allow for adequate cardiac recovery, typically six months post-MI. However, in urgent cases like a fractured neck of femur, a detailed evaluation by a cardiologist is essential to optimize the patient's cardiac status before surgery.

Perioperative management includes the continuation of antiplatelet therapy, as stopping these medications can increase the risk of stent thrombosis. Balancing the risks of bleeding with the need to prevent thrombotic events is a complex but necessary aspect of care.

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

Epidural volume expansion Technique can be safely used in high risk cardiac patients such as recent MI posted for right hemi arthroplasty to achieve desired level of surgical anaesthesia without causing adverse hemodynamic disturbances.

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Department of General Medicine

A Dancing Tongue in PSP

A RARE CASE OF LINGUAL MYOCLONUS IN PROGRESSIVE SUPRANUCLEAR PALSY (PSP).

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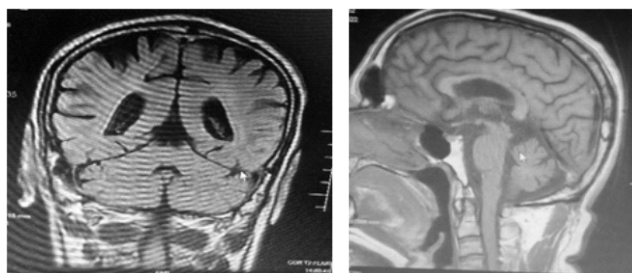
INTRODUCTION :

Lingual myoclonus is a spasmodic contraction of tongue muscles resulting in rhythmic movement of tongue. Etiology of lingual myoclonus include stroke, brain tumors, head injury, necrotic epilepsy or CNS infections. This condition can significantly impact speech and chewing. Progressive supranuclear palsy (PSP) is a Parkinson plus syndrome with features of bradykinesia, ataxia, rigidity but it can have many nonspecific features such as dementia, cognitive deficits, cranial nerve palsy.

Parkinsonism plus syndrome is a group of heterogeneous degenerative neurological disorders, which differ from the classical idiopathic Parkinson's disease in certain associated clinical features, poor response to levodopa, distinctive pathological characteristics and poor prognosis.

CASE REPORT :

An 67 year old gentleman, right-handed individual with a history of hypertension presented with progressive difficulty in walking with loss of balance and tendency to fall backwards since 7 months, difficulty in changing position in bed since 1 month, severe postural instability, slurring of speech and difficulty in chewing since 2 week . There was no history of visual disturbances, tremors, forgetfulness or any sensory deficits. He also denied of consumption of alcohol or smoking. There was no family history of neurological condition or autoimmune diseases. On examination, vitals were stable, patient was conscious-oriented. Neurological examination suggestive of dysphonia, lingual myoclonus, upward gaze restriction, reduced facial expressions, bradykinesia, rigidity present and gag reflex absent. Bilateral Pupil reactive and equal in size. Sensory, motor system, cerebellar system examination was normal. No fasciculations or tremors or muscle wasting was present. Lab investigations were within normal limits. MRI brain showed atrophy of the frontal lobe, midbrain, and pons. Nerve conduction study showed bilateral median motor and bilateral common peroneal nerve motor axonal neuropathy. EEG and repetitive nerve conduction study and PL scopy were normal. HRCT thorax ruled out thymoma. Patient was further evaluated for underlying cause. Electromyography of tongue showed chronic denervation pattern. Bilateral carotid and vertebral artery Doppler was done which showed soft atherosclerotic plaque in bulb of right common carotid artery with 40-45% luminal narrowing, calcified atherosclerotic plaque in bulb of left common carotid artery causing 25-30% of luminal narrowing. Based on history, clinical examination and relevant investigation he was diagnosed with progressive supranuclear palsy, which is a rare entity and he was initiated on levodopa. Treatment led to minimal symptomatic improvement, although the lingual myoclonus persisted.



Scan here for video

DISCUSSION :

A myoclonus is described as a brief, shock like, involuntary movement with the incidence of 1.3 cases in 100,000 person years and a lifetime prevalence of 8.6 per 100,000 persons. Myoclonus is not so common in PSP and of which lingual myoclonus is very rare. The pathophysiology of lingual myoclonus is not well understood. PSP is a rare neurodegenerative movement disorder, an akinetic-rigid form of parkinsonism with an annual incidence rate between 0.9 and 2.6 per 100,000 persons. The onset of the disease is insidious and symmetric in most patients. PSP is a diagnosed clinically and there are no specific laboratory tests to confirm it. There are currently no approved therapies that can modify the course of the PSP. Studies shown that some patients may temporarily benefit from levodopa but these improvements do not affect the overall duration or progression of the disease. Also management of lingual myoclonus is not specific, which typically involves addressing the underlying cause, whether it be through medication, surgery or other therapeutic interventions.

CONCLUSION :

Our case is a rare presentation of lingual myoclonus in PSP which carries poor prognosis. Treatment is focused on symptom management and improving quality of life.

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Department of Emergency Medicine

Indian culture-Melting point of a Great Civilization

Written By: - Dr Abhijeet Matha, Final year Postgraduate, Department of Emergency Medicine, SSIMS&RC, Davangere.

I as an Indian would like to proudly state these lines about our Nation said by Mark Twain—

"India is the Cradle of the human race, the birthplace of human speech, the mother of history, grandmother of Legend and great grandmother of science, knowledge and tradition. Our most valuable and most instructive materials in the history of man are treasured up in India only."

We are a fortunate country to have most of our population as youngsters. And for any country, it is the young generation which becomes the face of the Nation, and the young generation is responsible to carry forward the culture, values and spirit of the Nation.

Unfortunately, of late the young generation seems to turn a blind eye towards our culture and values which were passed on for decades to eons since time immortal. Our country had undergone multiple invasions and had been looted every single time it was invaded by foreign counties for more than 200 years. Despite this, we as a country have stood steadfast in holding up to our values, culture and morales so far. Thanks to our previous generations for passing on the great lineage of Knowledge, culture and values. But, today we, the young generation, must question ourselves about where are we heading to? And why? Are we really into saving our values?

We have been aping western culture to an extent where we lose our originality and be someone else altogether? Yes, I agree that change is the only constant and we need to keep changing ourselves to the suiting times, for a good reason. But this should not make us forget the roots and foundation of our own nation and approach towards life. This is mainly due to a generation gap which is leading to a vacuum being created, ultimately effecting our great Indian culture and leading our civilization to a nowhere.

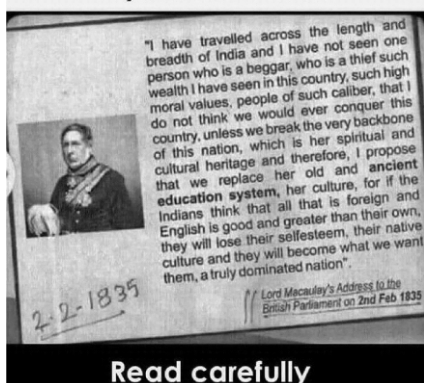


Technology has taken its prime time in the present day and the younger generation must be cautious in utilizing it for what it is meant to and not to misuse the science and technology leading to self-destruction in a massive way.

The is the responsibility of the elder generations to imbibe the values, morals and culture to the young generation rather than just making our kids be score-oriented minds. Parents and relatives need to understand this. It is the need of the hour. Older generations are responsible to guide the youngsters, guide them when a child is in impressionable age which most failed to do in pursuit of one's carrier and concentrating more on how much the child scores in exams and showing little attention to teach the child virtues of life and importance of preserving our own culture.

Apart from this, I would like to throw some light into the dark history which is the root cause for all the damage we are facing today as a nation. To support my ideology, I would like to put forward some important facts.

Lord Macaulay's wicked ideology---
My INDIA in 1835



Read carefully

Lord Macaulay's address to the British parliament on 2nd February 1835

"I have travelled across the length and breadth of India, and I have not seen one person who is a beggar, who is a thief. Such wealth I have seen in this country, such high moral values, people of such caliber, than I don't think we would ever conquer this country, unless we break the very backbone of this nation, which is her spiritual and cultural heritage and therefore, I propose that we replace her old and ancient education system, her culture, for if the Indians think that all that is foreign and English is good and greater than their own, they will lose their self-esteem, their native culture and they will become what we want them, a truly dominated nation".

It is time to wake up. Realize where we must work on ourselves. We need to start correcting right from the fundamentals. The development which we think today we have done is not really leading to a harmonious life. Think about it. Is development ultimately ruining mother earth? Depleting all the natural resources only to satisfy our greed and leaving nothing behind for our future generations, except for museums and preservative samples for them to look at. Misuse of all the five elements; Air, Water, Soil, Fire and Ether.

Well, the bottom line is not to sit and cry or make debates or write articles. Awake and arise and make a good start with a good conscience to regain our noble methods, ideology of making a healthy and prosperous life. This would automatically bring back our Indian ethical and moral values, its rich culture and heritage back into reality. Know our history, our legendary personalities who have made our country proud of. Remember, turning a blind eye towards this will lead us in losing our individuality and become slaves of undesirable lifestyle and a miserable outcome as a human being.

Arise, Awake and stop not till the goal is reached. ----
Swami Vivekananda.

Let us all take an oath today, to save our culture and heritage. The values and morals which were passed on for eons.

VandeMataram.

Department of Medical Education

18.04.2024 : Basic course in Medical Education workshop was conducted by Medical Education Unit from 18th to 20th April under the aegis of Nodal Centre Jawaharlal Nehru Medical College, Belagavi.

Dr. Varadendra Kulkarni, Prof & HOD, Pathology & Co-ordinator Medical Education Unit, J. J. M. Medical College, Davangere was the NMC observer for the workshop. About 29 faculty from various departments underwent training. Principal Dr. B. S. Prasad, Vice Principal & Co-ordinator of MEU Dr. Shashikala P, Vice Principal & Medical Director Dr. Arunkumar Ajjappa, inaugurated the programme. About 13 resource persons spoke on various topics during the workshop.



Publication

Department	Authors	Title of article	Journal details
Cardiology	Dr.Sreenivasa.B, Associate Professor, Dr. Abhigna JM Dr. Pranay R P Dr.Rameshwari Vishwakarma	Correlation of lipoprotein (a) levels and coronary angiography profile in young acute coronary syndrome patients from a single tertiary care centre	Journal of Cardiovascular disease Research Volume 15, issue 06/2024
Cardiology	Dr Mallesh P, Professor and HOD, Dr Pranay Kumar R P Dr Rameshwari Vishwakarma Dr Abhigna J M	Outcomes of primary angioplasty in myocardial infarction as a comparison between diabetics and non diabetics.	Journal of Cardiovascular disease Research Volume 15, issue 05/2024
Cardiology	Dr Dhananjay R S, assistant professor, Dr Rameshwari Vishwakarma Dr Pranay Kumar R P Dr Abhigna J M	Frequency and clinical implications of non obstructive epicardial coronary arteries in patients presenting with typical cardiac chest pain : a retrospective observational study.	Journal of Cardiovascular disease Research Volume 15, issue 04/2024
Cardiology	Dr.Sreenivasa.B, Associate Professor, Dr. Deepak Kumar A Post graduate	Study of patterns of coronary artery anomalies in a tertiary care setting: a retrospective analysis	Journal of Cardiovascular disease Research Volume 15, issue 07/2024
Biochemistry	Dr. Shashikala Lamani, Asso Prof	Study of GGT and transaminases in type2 diabetes mellitus	Indian journal of research volume - 13 issue - 01 January - 2024 print ISSN no. 2250 - 1991 DOI : 10.36106/paripex
Biochemistry	Dr. Shashikala Lamani, Asso Prof	The role of serum ferritin in anaemia - a key diagnostic marker of iron deficiency	Indian journal of research January-2022 volume - 13 issue - 01 4 print ISSN no. 2250 - 1991 DOI : 10.36106/paripex
Community medicine	Vidya V Patil, Rakesh J, Manu A S	Association of dietary patterns with depression, anxiety and stress among degree college students in central Karnataka	International Journal of Pharmaceutical and Clinical Research.2024:16(3); 1662-1666.
Community medicine	Vidya V Patil, Rakesh J, Manu A S	Prevalence of exam anxiety and its determinants among medical students.	International Journal of Pharmaceutical and Clinical Research.2024:16(5);1037-1041.
Community medicine	Manu A S, Asha B, Vidya V Patil	Reasons why students procrastinate in academics: A Cross sectional study among students.	International Journal of Pharmaceutical and Clinical Research.2024:16(5);1042-1046.
Community medicine	Mohammed Imran	The effects of smartphone addiction on the academic performance among undergraduate medical students in Karnataka, India	A multicentric study. Cureus. 16(6):e62796.2024.

S. S Care Trust Activities



Sri. Dhanvantari & Sri. Ganapati Pooja at SSIMS Hospital



Photo Gallery



Inauguration of 'VYBHAVA' Student Union 2024-25

