

**SAPTHAGIRI INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE**  
**ONGOING RESEARCH PROJECTS**

**ANATOMY**

1. Mahesh-presented poster on Perceptions about learning anatomy by allied health science students-Allied health conference by RGUHS Feb2020-1<sup>st</sup>,2<sup>nd</sup>,3<sup>rd</sup> –selected for best poster award
2. Digital morphometric analysis of atlas and axis in relation to vertebral artery-Rameeza-5th term-KCA 2019-sep 20-22
3. Carrying angle measurement - digital vs. goniometric : a comparative study-guiding 4<sup>th</sup> term student AdhithyaAmbadi
4. Echocardiographic assessment of heart function in By Dr. Sucharitha A
5. Covid -19 patients : A retrospective study by Dr.Sucharitha A
6. Role of dermatologyphic in early detection of preeclampsia patients
7. Vamshi MBBS Student - Analytical&Morphological study of nutrient foramina of long bones of lower limb - KCA 2019-sep 20-22
8. Chidanandmbbs student: Langers axillary arch a case report CME trichy SRMC
9. Trimaldarshanmbbs student: variations in the branches of axillary artery- CME trichy SRMC
10. Rameeza – Dermatoglyphics – A marker for Preeclamsia
11. Chaithali - Estimation of stature from anthropological measurements of hand and foot”
- 12.Nazia- Study Of Morphological Variations In Fissures And Lobes In Cadaveric Adult Human Lungs
- 13.Keerthana -dermatolyphic in indentification of person with correlation to blood group
- 14.Langer’s Axillary Arch – A variant of latissimusdorsi by **Chidanand.S**(1<sup>st</sup> yrs MBBS) in CME SRM medical college trichy in 2021, 9th October. guided by Dr Geethanjili

15. Variation in the branching pattern of the axillary artery: a case report. By **Trimaldarshan** (1<sup>st</sup> yrs MBBS) in CME SRM medical college trichy in 2021, 9th October. guided by DrGeethanjali
16. Langer's Axillary Arch – A variant of latissimusdorsi by **Chidanand.S**(1<sup>st</sup> yrs MBBS) in natcon 2022 at king George medical college, lucknow. guided by DrGeethanjali
17. A case of Holtoram syndrome- by drpreran, dramrithpreetham poster presentation at embryon 2022 jan, Aiimsbibinagar. guided by DrGeethanjali
18. Study of pattern & occurrence of accessory renal artery by computed tomography –proposal for ICMR project . guided by DrGeethanjali
19. Dermatoglyphics in vitiligo by drgeethanjali
20. Variation in Accessory renal artery origin –a cadaveric study- drgeethanjali
21. Surface marking by body painting-Dr.Uma SV
22. Model making in learning anatomy-Dr.Uma SV
23. Morphometry of cystic duct-anatomical and radiological study-ICMR proposal-Dr.Uma SV
24. Digital morphometry of placenta-Dr.Uma SV
25. Ultrasonographic study of Placenta in Pregnancy Induced Hypertension - Proposal for ICMR project for 2022 by UG student guided by DrShubhaNivargi
26. Morphometric analysis of Mental foramen by Dr. Ravi Bhaskar
27. Morphometric analysis of Mandibular notch by Dr. Ravi Bhaskar
28. Morphometric analysis of Supraorbital foramen by Dr. Ravi Bhaskar
29. Morphometric analysis of infra orbital foramen by Dr. Ravi Bhaskar
30. Morphometric analysis of occipital condyle by Dr. Ravi Bhaskar

## **PHYSIOLOGY**

1. A Comparative study of PAI -1 , a marker of endothelial dysfunction in prehypertensives & normal subjects - Dr. Umadevi B. Dr. Anitha O.R.,

## **DEPARTMENT OF MICROBIOLOGY**

- a. Antimicrobial Resistance in the Community – Drug Resistance pattern of Commensal Escherichia coli Bacteria from Healthy Individuals. Student-Ms. M L Divya Shree M Guide- Dr.Hemavathi
- b. Effectiveness of implementing project-based learning to enhance retention of knowledge among nursing students in Microbiology. Conducted as a part of ACME training by Dr.PoojaSarmah, Associate Professor, Department of Microbiology, SIMS &RC, Bangalore under, Dr.Nachiket Shankar, Professor, Department of Anatomy, St. John Medical College, Bangalore, Year- 2021-22
- c. Distribution of bacterial isolates in the intensive care units and its relation to drug resistance pattern in a tertiary care centre. Submitted for STS-ICMR 2022, Reference ID: 2022-04442, selection pending. Student- Ms.UmaaRamanathan, Guide- Dr.PoojaSarmah
- d. Colonization of neonatal gut with enterococci with special reference to vancomycin. , selection pending. Student- Ms.Vaishnavi S, Guide- Dr.Kavya S

## **DEPARTMENT OF PHARMACOLOGY**

1. A study on antimicrobial stewardship among inpatients of a tertiary care teaching hospital: Dr. L padma
2. Drug utilization evaluation of analgesics among in patients of tertiary care hospital: Dr. L padma

3. Evaluation of drug utilization pattern in the management of pregnancy complications in a tertiary care hospital : Dr. Srividya BP
4. A study on the rational use, prescribing pattern and the pharmacoeconomics of Benzodiazepine used in psychiatric disorders in tertiary care hospital: Dr. Srividya BP
5. To evaluate the drug utilization pattern and pharmacoeconomics on acute coronary syndrome among inpatients in a tertiary care hospital: Dr. Yashaswini
6. Assessment of antibiotic utility in urological surgical procedure at tertiary care hospital, Bangalore: Dr. Yashaswini
7. Clinical outcomes of polypharmacy in tertiary care hospital: Dr. Spoorthy
8. A Combination of Medicinal Plants in the form of Green Coffee to treat Obesity on In Vivo: Dr. L Padma
9. Antidiuretic activity of the methanol extract of Shankhpushpi in Rats: Dr. L Padma

#### **DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY**

1. Shankar U, Kumar P, Shivakumar BC, Subashiny V. Profile of unnatural deaths in Bangalore north during Covid-19 period.
2. Kumar P, Shankar U, Shivakumar BC. Profile of poisoning deaths in Bangalore north during Covid-19 period.

#### **DEPARTMENT OF COMMUNITY MEDICINE**

1. Validation and feasibility of using AI linked to smart phone based hearing application by school teachers for regular screening among Government school children in urban bengaluru-A quasi experimental study  
Researcher: Dr.Renuka Venkatesh, Dr.Usha Rani

2. Introduction of cards to improve INH prophylaxis therapy uptake among child contacts of tuberculosis patients in selected TUs of Bangalore Urban district: A mixed method study.

Researchers: Dr.Usha Rani S.P, Dr.Renuka Venkatesh

3. To assess the mortality profile and vaccination status of Covid-19 infected patients in a tertiary care hospital-Bangalore

Researcher: Dr.Shruthi Shetty

4. Health status of adolescents in a rural community adopted under department of Community Medicine of a Medical college, Bangalore

Researcher: Dr.Lata Kollur, Dr. Tanzeer

5. Impact of Covid 19 pandemic on routine immunization services

Researcher: Dr.Lata Kollur

6. Covid vaccination response among health care workers in tertiary care centre: A mixed method study.

Researcher: Dr.Amrita

7. Impact of BCC in subjects with Knee pain(osteoarthritis) attending tertiary care hospital-A prospective study

Researcher :Dr.Priyanka

8. Risk of blood borne infections and Covid 19 infection among Pourkarmikas in Bengaluru, Karnataka.

Researcher: Mrs.Lavanya

## **OBG**

- 1) **Title:** The impact of the COVID-19 disease on the maternal and neonatal outcomes in pregnant women in a tertiary care center- An observational study

**Researchers:** Dr Padmasri R, Professor and Head of Dept, DrDivya TK, Associate Professor

2) **Title:** Comparison of Mifepristone with Misoprostol as cervical ripening agent in term patients

**Researchers:** DrPadmasri R, Professor and Head of Dept, DrDivya TK, Associate Professor

## **DEPARTMENT OF DERMATOLOGY**

A retrospective study to analyse the pattern of referrals to the department of dermatology, venereology and leprosy at a tertiary care centre in Karnataka.

## **DEPARTMENT OF RADIOLOGY**

1. Sowmya M Gowda and Dr. Vinay C Gowda: Combined Mammography and sonomammography evaluation of palpable breast masses.
2. Sowmya M Gowda and Dr. Vinay C Gowda: Correlation of cervical angle and length in cervical incompetency.
3. Dr. Vinay C Gowda and Sowmya M Gowda: To compare the accuracy between USG and MRI in evaluation of rotator cuff injury.
4. Dr. Vinay C Gowda and Sowmya M Gowda: Role of MDCT in evaluation of Bronchogenic carcinoma with histopathologic correlation.
5. Dr. Vishwaprem Raj and Dr. Shivaprasad V.R: Role of CT in evaluation of cranial trauma
6. Dr. Vishwaprem Raj and Dr. Shivaprasad V.R: Role of CT in evaluation of Post-operative cranium.
7. Dr. Vishawaprem Raj and Dr. Shivaprasad V.R: Role of CT-Angiography in evaluation of renal artery variants.
8. Dr. Vinay C Gowda and Dr. Shivaprasad V.R: Role of CT-HU value of renal calculi in assessing the outcome of lithotripsy.

9. Dr. AmeetMudda and Dr. SujitMaheswari: Role of CT in evaluation of various lung lesions
10. Dr. AmeetMudda and Dr. DeepaHatti: Role of HRCT lung in evaluation of interstitial lung diseases
11. Dr. DeepaHatti and Dr. AmeetMudda: Correlation of Ultrasound abdomen and CECT Abdomen in case of blunt trauma.
12. Dr. SujitMaheswari and Dr. AmeetMudda: Role of HRCT temporal bone in evaluation of CSOM with cholesteatoma.