

RESEARCH ACTIVITIES
DEPARTMENT OF ANATOMY

Title of the project	Name of the Principal & Investigator (s)
Prospective study of congenital anomalies & other risk factors anomalies & other risk factors causing intra-utrine fetal death	Dr.Jayanthi .V Swarnashri .J V
Ongoing school awareness programme titled “Creating awareness about Human anatomy through dissected museum specimens and genetic disorder by mobile museum specimens and oral presentation”	Dr.Jayanthi .V Mr.Vinod Kumar
Starting voluntary body donation programme in Sapthagiri Medical College	Dr.Jayanthi .V Dr.Lakshmikantha B M
A Study of dermatology lypchics in Mz Patients	Parikshith MBBS Student Dr.Sucharitha A.
Study of different aortic length in human fetal of different gestational age	Shobha Rani Dr.Sucharitha A
Should MCQS be included in formative assmnet of first year medical students	Dr. Chaithra Rao B.R
Structured viva voce for first MBBS students	Dr. Chaithra Rao B.R
Intermet addiction in medical students in comparison with students in other filed	Dr.Leelavathy N &all staff
Carrying angle in medical students by digital method-ICMR project (with Adithya Ambadi 6 th term student)	Dr. Uma S.V
Pelvicalyceal system in foetal kidney	Dr. Uma S.V
Digital analysis of Palmar creases (with Naveen 6 th term student)	Dr. Uma S.V
Case based learning in Anatomy	Dr. Uma S.V
Model making in learning Anatomy	Dr. Uma S.V
Cadaveric panting to learn surface Anatomy	Dr. Uma S.V
Active learning in osteology	Dr. Uma S.V
Anatomical variation encountered during laparoscopic choler cystectomy	Reshma Abraham Dr .sapna Purushotham Swarnashri. J V

Cadaver donation – attitude and knowledge of medical professionals	Dr Anisha B
Morphological variations of lobes and fissures in lungs	Dr. Sucharitha A Name of student- Nazia

DEPARTMENT OF PHYSIOLOGY

1. Dr. Sunitha.G- Night shift working & its impact on sleep quality, calorie intake & serum TSH level among health care workers in a tertiary care hospital, Bangalore.
2. Dr. Anitha.O.R.- Effect of excessive mobile phone usage on Insomnia severity index and Blood Pressure among young adults
3. Dr.Christofer Thomas - A cross sectional survey on the prevalence of internet addiction In Medical students.
4. Dr. Umadevi B, Dr. Anitha O R - Prevalence of stress in medical students using DASS scoring & correlation of DASS score & reaction time.
5. Dr. Anitha O R, Dr. Umadevi B -Effect of progressive muscle relaxation on reaction time & DASS score in medical students
6. Dr. umadevi.B, Dr. Sunitha.“Assessment of High frequency deafness in teenagers using headphones”
7. Dr. Kavyashree H M- Sleep related disorders in Medical students

ICMR Projects through S.T.S

Title: Night shift working & its impact on sleep quality, calorie intake & serum TSH level among health care workers in a tertiary care hospital, Bangalore - Sandeep M.S.(5th term)

DEPARTMENT OF BIOCHEMISTRY

1. “Evaluation of novel biochemical markers in Sudharshan Kriya Yoga practicing individuals” project approved by RGUHS for research grants.
Investigators: Dr. Ashakiran. S, Dr. Venkateshappa. C
2. "Serum homocysteine levels in patients with essential hypertension and their first degree relatives" project submitted by Dr. Dharuni. R for RGUHS research grants and appeared before expert committee, awaiting further correspondence from the university.
3. "Comparative study to assess the levels of serum leptin, zinc and copper among preeclamptic, healthy pregnant and non-pregnant women in tertiary health care in Bangalore urban district" project submitted by Dr. Reshma. D for RGUHS research grants and appeared before expert committee, awaiting further correspondence from the university.

4. "Determination of Apo B levels among obese and non-obese adolescents" ICMR – STS project proposal submitted by Dr. Ashakiran. S
5. "Evaluation of serum Magnesium levels in type 2 diabetes mellitus patients" ICMR – STS project proposal submitted by Dr. Reshma. D
6. "Serum Adenosine deaminase levels in obese and non-obese individuals" ICMR – STS project proposal submitted by Dr. Dharuni. R
7. "Comparative study of biochemical indicators of prediabetes among obese and non-obese adolescents"- project submitted by Dr. Ashakiran. S
8. "Serum levels of oxidants and antioxidants in MODY (MATURITY ONSET DIABETES OF THE YOUNG)" project report submitted by Dr. Venkateshappa. C
9. "Clinical correlation with biochemical evaluation in women with diffused hair loss." Principal Investigator - Mrs. Anitha Misquith
10. "Plasma Vitamin 'C' and Protein Thiols levels in essential hypertension and its implications" project proposal submitted by Dr. Harish. R
11. "Correlation between the serum levels of High Sensitivity C-reactive protein and uric acid with severity of pre-eclampsia" project submitted by Dr. Dharuni.R

DEPARTMENT OF PATHOLOGY

1. Awareness of breast cancer and the practice of breast self examination among women attending a rural health care centre.
Principal investigator: Ankith C N
Co – Investigator: Dr.Vijaya C
2. A comparative analysis of micronuclei in buccal smears of tobacco smokers and non smokers.
Principal investigator: Vishnudatha k
Co – Investigator: Dr.Padma Priya
3. Study of abnormal cervical cytology in fertile and infertile patients attending tertiary hospital of urban Bangalore by pap smear test
Principal investigator: Dr.Smita S Masamatti
Co – Investigator: Dr.Vijaya C
4. Cytomorphometric study of buccal smears in iron deficiency and megaloblastic anemias: A cost effective rapid screening tool
Principal investigator: Dr.Archana Shetty
Co – Investigator: Dr.Vijaya C

5. Preoperative prognostic laboratory parameters in carcinoma breast patients -A two year study.

Principal investigator: Dr.Smita S Masamatti

Co – Investigator: Dr.Vijaya C

DEPARTMENT OF MICROBIOLOGY

1. Study of association between diabetes & TB by Dr.Dayanand, Dr.Hemavathi, Dr. Naveena and Dr. Poornima Shenoy.
2. Proportion of MDR and XDR TB at SIMS&RC by Dr.Dayanand, Dr.Hemavathi and Dr. Poornima Shenoy.
3. Proportion Of Human Papilloma Virus Infection In Women Of Reproductive Age Group: Dr. Nagabhushan S, Dr. Hemavathi L, Dr. Lakshmi N
4. Evaluation of mind maps as a learning tool in microbiology for medical students.- Dr Pooja Sarmah, Associate Professor , Department of Microbiology-2015-16
5. Project Based Learning in Microbiology by Dr.Pooja Sarmah , Assoc. Prof Micro, Dr. Sunitha Assoc. Prof. Physiology- 2016-17

ICMR PROJECTS

1. Retrospective analysis of maternal infections & their outcome by Student-Ms. Brunda, Guide-Dr.Hemavathi
2. Awareness of tuberculosis among adults in the urban field practice area of a teaching medical college hospital, Bangalore- STS project Proposal ICMR 2017()- Guide- Dr Pooja Sarmah, Student- Ms Sangeeta Bilakeri
3. Magnitude of HIV Infection Among Patients Aged Fifty Plus, Attending A Medical College Hospital, Bangalore- A Three Year Retrospective Study . Dr. Sharvani.R Student-Mr. Adnan

DEPARTMENT OF PHARMACOLOGY

1. Dr.Shabin Taj:
Proposals: ”Study of ADRs to anti-tubercular drugs in a Tertiary care hospital”
2. Dr Piyali hazra:
Proposals:”Drug Utilization Study In adults with nBronchal asthma in a tertiary care hospital”
3. Dr Navya Teja:
Proposals: “Assessment of prescribing pattern of Immunomodulators in dermatology department at a tertiary care hospital”

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY

Name	Title
Dr Shivakumar B C	Profile of Sexual offence cases reported at tertiary care hospital
Dr.Udayshankar B S	Profile of suicide deaths autopsied at tertiary care hospital
	Efficiency of vinegar as a preservative of human tissues for HPE
Dr Pavan P N	Estimation of age of injection marks
Dr.Sujatha P L	Profile of suicide deaths autopsied at tertiary care hospital
	Profile of Sexual offence cases reported at tertiary care hospital

DEPARTMENT OF COMMUNITY MEDICINE

1. Health & nutritional status of children in anganwadi in the field practice area
2. Morbidity profile of patients attending Urban Health Center
3. Risk factors for depression among elderly in a select ward in Bangalore urban district: A case-control study
4. Pattern of reproductive tract infections among women in reproductive age group attending in RHTC
5. Population based assessment of self related health and health related quality of life among urban residents, India
6. Birth preparedness & complication readiness among pregnant women attending a Primary health Center, Bengaluru Rural District
7. Estimation of birth weight among term deliveries in a maternity home: Retrospective study
8. Factors influencing certain metabolic disturbances and anaemia among ANC mothers visiting a Urban Health Centre: A Descriptive study
9. Lifestyle factors in lifestyle diseases among rural population
10. Effects of pictorial health warnings on Tobacco products
11. Diabetes related distress among Type 2 diabetes mellitus patients attending OPD at a Rural Health Training Centre, Kanawadi Bengaluru rural district.
12. Prevalence of lifestyle risk factors and lifestyle diseases among rural population

13. Protective factors in lifestyle diseases
14. Retrospective analysis of Typhoid among individuals in rural field practice area
15. Health management information system
16. Profile of hypertensives attending OPD at RHTC, Kanaswadi
17. Life style factors among school children in rural area
18. ICMR STS project: Micro-Organisms Isolated From Sputum Samples of Patients with Respiratory Tract Infections and Their Antimicrobial Susceptibility Pattern, In A Medical College Hospital, Bengaluru, Karnataka: A Retrospective Study
19. Operations Research project funded by RNTCP: Impact of health education videos in filling treatment gaps in RNTCP: An interventional study. Principal Investigator: Dr Rashmi M R, Associate Professor, Co investigators: Dr Kruthika N, Assistant Professor: Dr Renuka V, Professor
20. Immunization coverage among children at RHTC, Kanaswadi
21. A study to assess the treatment adherence among patients with type 2 diabetes mellitus in the rural and urban field practice area of SIMS&RC, Bengaluru
22. A cross sectional study on depression among hypertensive patients attending OPD at RHTC

GENERAL MEDICINE COMPLETED

1. Study awareness of tuberculosis in patients taking DOTS –2015
Principal Investigator - Dr Manish
Co-Investigator: Dr Bindumathi.P.L.
2. Role of sleep duration and quality in the severity of type 2 DM in Indians -2015
Principal Investigator - Dr Sadanand
Co-Investigator: Dr Praveen
3. Evolution of clinical and biochemical markers as predictors of prediabetes in obese and non obese individuals -2015
Principal Investigator - Dr Sadanand
Co-Investigator: Dr Raveesh
4. Serum levels of oxidants and antioxidants I MODY – 2016
Principal Investigator - Dr Venkateshappa
Co-Investigator: Dr Navyashree
5. Study of serum homocysteine levels in patients with essential hypertension and their first degree relatives-2016
Principal Investigator - Dr Dharuni
Co-Investigator - Dr Sadanand
6. Impact of air pollution during Diwali in emergency admission of respiratory disorders – 2016
Principal Investigator: Dr Bindumathi.P.L

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

COMPLETED

1. Prevalence of postnatal depression in a semi urban tertiary centre.:- 2015
Principal Investigator - Dr. Padmasri, Prof & HOD, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr Sowmya KP, Assoc Prof, Dept of Obstetrics & Gynaecology
2. Intimate partner violence in Pregnancy and its Outcomes – 2015
Principal Investigator - Dr Padmasri R, Prof & HOD, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr Akhila, Senior Resident, Dept of Obstetrics & Gynaecology
3. Descriptive study on Maternal near miss in a tertiary care hospital - 2015
Principal Investigator: Dr Padmasri, R , Prof & HOD, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr Akhila, Senior Resident, Dept of Obstetrics & Gynaecology
4. Need for Visual assessment of blood loss – 2015
Principal Investigator -Dr. Padmasri, Prof & HOD, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr Anjali, Senior Resident, Dept of Obstetrics & Gynaecology
5. Study of Contraception in Tertiary Centre – 2016
Principal Investigator -Dr. Padmasri, Prof & HOD, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr Sushma, Senior Resident, Dept of Obstetrics & Gynaecology

6. Analysis of caesarean section rate using Robson's criteria - 2016
Principal investigator: Dr Sowmya KP, Assoc Prof, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr. Padmasri, Prof & HOD, Dept of Obstetrics & Gynaecology

ON GOING

1. Role of mifepristone as cervical ripening and induction agent at term in comparison with misoprostol - 2016
Principal Investigator: Dr Akhila, Senior Resident, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr. Padmasri, Prof & HOD, Dept of Obstetrics & Gynaecology
2. Study on preterm labor in a tertiary hospital - 2017
Principal Investigator: Dr Padmasri R , Prof & HOD, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr Akhila, Senior Resident, Dept of Obstetrics & Gynaecology
3. Comparative Study of Labetalol and Nifedipine used in Pregnancy - 2017
Principal investigator: Dr Sowmya KP, Assoc Prof, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr Anjali, Senior Resident, Dept of Obstetrics & Gynaecology
4. Correlation of USG endometrial Thickness and Endometrial Biopsy - 2017
Principal investigator: Dr Sowmya KP, Assoc Prof, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr. Padmasri, Prof & HOD, Dept of Obstetrics & Gynaecology
5. Spectrum of Dengue in Pregnancy and Obstetric Outcomes -2016
Principal investigator: Dr Lalitha S, Assoc Prof, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr. Padmasri, Prof & HOD, Dept of Obstetrics & Gynaecology
6. Periodontal Infections and Pregnancy Outcomes - 2017
Principal Investigator -Dr. Sushma, Senior Resident, Dept of Obstetrics & Gynaecology
Co-Investigator: Dr Padmasri, Prof & HOD, Dept of Obstetrics & Gynaecology

DEPARTMENT OF ANAESTHESIA

ONGOING

1. Comparison of dexamethasone nebulisation with magnesium sulphate nebulisation in preventing postoperative sore throat following endotracheal intubation.
Principal investigator -Dr Ashwini
Co-investigator -Dr Seema

2. Comparative study of transverse abdominis plane block with caudal block for infraumbilical lower abdominal surgeries in children-A double blind randomized clinical trial.
Principal investigator -Dr Ashwini
Co-Investigator -Dr Sohini

3. Comparison of efficacy of ultrasound guided ilioinguinal/iliohypogastric nerve block with that of ultrasound guided transverse abdominis plane block for inguinal hernia surgery operated under spinal anaesthesia.
Principal investigator -Dr Deepa Chandran
Co-Investigator -Dr Sohini

4. Comparison of perineural versus intravenous low vs high dose of dexamethasone as adjuvant to bupivacaine plus epinephrine for post op analgesia with ultrasound guided transverse abdominis plane block in obstetric /gynecological surgeries with Pfannenstiel incision.
Principal investigator -Dr S Shashidhar
Co-Investigator -Dr N Gangadharaiah

5. Comparison of perineural vs intravenous low vs high dose dexamethasone as adjuvant to bupivacaine plus epinephrine in ultrasound guided brachial plexus block for post operative analgesia in upper extremity surgeries.
Principal investigator -Dr S Shashidhar
Co-Investigator -Dr N Gangadharaiah, Dr Veena Kulkarni

DEPARTMENT OF OPHTHALMOLOGY COMPLETED

- An Open Label, Randomized, Multicentric, Two Treatment, Single Dose, Parallel Group Two Stage Adaptive Design Bioequivalence Study Of Loteprednol Etabonate Ophthalmic Suspension ,0.5% in Aqueous Humor Of Patients Undergoing Indicated Cataract Surgery- Funding by Watson Pharma (2015-16)
Principal investigator - Dr. Surendra. H.R
Co-Investigator: Dr.Ashwini.K.V

DEPARTMENT OF RADIOLOGY

ON GOING

1. Ultrasound evaluation of oral sub-mucosal fibrosis
Principal investigator: Dr Prakash Jain
2. Discrepancy between ultrasound fetal weights to actual birth weight in various biometric formulas in Indian population
Principal investigator - Dr Prakash Jain
Co-Investigator -Dr Chandan
3. Ultrasound guided liver abscess catheter drainage- a retrospective study
Principal investigator: Dr Prakash Jain

DEPARTMENT OF ORTHOPEDICS

COMPLETED

- An Open-Label, Randomized, Single-Dose, Two-Period, Two-Treatment, Two-Sequence, Crossover, Multicentre, Bioequivalence study of Methotrexate tablets 2.5 mg of Cadila healthcare ltd., India and Methotrexate tablets 2.5 mg of Dava pharmaceuticals, USA in adult patients with Mild to Severe Psoriasis or Rheumatoid Arthritis under fasting conditions.2014-15
Funded by Cadila/Cliantha
Principle Investigator: Dr.Vishwanath Yaligod
CO Investigator :Dr.Girish H R
- “A prospective, randomized, double blind, two arm, parallel, placebo controlled, comparative, multicentre clinical study to evaluate the safety and efficacy of Dynapar QPS compared to placebo topical solution for treatment of osteoarthritis of knee.”
2014-15
Funded by Troikaa Pharmaceuticals
Principle Investigator: Dr.Vishwanath Yaligod
CO Investigator : Dr.Girish H R
- A randomized, double-blind, multi-center, phase 3 study to compare the efficacy and safety of BMO-2 (adalimumab) and Humira® (adalimumab) in patients with active Rheumatoid Arthritis.2016
Funded by syngene
Principle Investigator: Dr.Girish H R
CO Investigator : Dr.Pruthvi
- International comparative multicenter double-blind randomized clinical study of efficacy and safety of BCD-055 (CJSC BIOCAD, Russia) and Remicade® in combination with Methotrexate in patients with active rheumatoid arthritis.2016
Funded by Biocad
Principle Investigator: Dr.Bindumathi
CO Investigator : Dr.Girish H R
- “A Prospective, Randomized, Multiple-Dose, Multi-Center, Comparative, Parallel group Clinical Study to Evaluate the Efficacy, Safety, Immunogenicity, and Pharmacokinetics of Subcutaneous Injection of Adalimumab (Test Product, Hetero) and Reference Medicinal Product (Reference product, AbbVie) Concomitantly Administered with Methotrexate in Patients with Rheumatoid Arthritis”.2016
Funded by Hetero
Principle Investigator: Dr.Bindumathi
CO Investigator : Dr. Prabhakar V

DEPARTMENT OF DERMATOLOGY

COMPLETED

1. Evaluation of Serum biotin and serum ferritin in women with diffuse hair loss- 2015
Principle Investigator: Dr Nagesh TS
Co Investigator : Mrs Anitha Misquith

2. Topical steroid awareness and abuse – A prospective study among dermatology outpatients'-2016.
Principle Investigator: Dr Nagesh TS
Co Investigator : Dr Akhilesh A
3. Awareness about STI's other than HIV among college students'- 2016
Principle Investigator: Dr Nagesh TS
Co Investigator : Dr Akhilesh A

ONGOING

1. Stem cell markers and gene mapping in vitiligo patients before and after narrow band UVB therapy
Principle Investigator: Dr Nagesh TS
Co Investigator : Prof Colin Jamora
2. Patch test for patients with Hand and foot eczema
Principle Investigator: Dr Nagesh TS
Co Investigator : Dr Savitha AS
3. Stem cell markers in Androgenetic alopecia
Principle Investigator: Dr Savitha A S
Co Investigator : Prof Colin Jamora
4. Clinical, dermoscopic and histopathological correlation of palmoplantar lesions
Principle Investigator: Dr Savitha A S
Co Investigator : Dr Nagesh T S
5. Correlation of Plasma D- dimer levels and serum Ig E with severity of urticaria and clinical response to non sedative antihistamines in severe chronic spontaneous urticaria
Principle Investigator: Dr Savitha A S
Co Investigator : Dr Nagesh T S
6. A multicenter comparative randomized double blind study of the efficacy and safety of biosimilar Adalimumab and HUmira in moderate to severe plaque psoriasis
Principle Investigator: Dr Savitha A S
Co Investigator : Dr Nagesh T S
7. Phase 3 multicentre randomized observer blind parallel group three arms controlled clinical trial to evaluate efficacy of topically applied calcipotril against daivonex cream and placebo in patients with mild to moderate plaque psoriasis
Principle Investigator: Dr Savitha A S
Co Investigator : Dr Nagesh T S
8. Interdepartmental dermatology: characteristics and impact of inpatient referrals at a Tertiary care hospital
Principle Investigator: Dr Savitha A S
Co Investigator : Dr Nagesh T S

DEPARTMENT OF PSYCHIATRY

ONGOING

1. “A prospective, randomized, double blind, clinical study to evaluate the efficacy and safety of Pregabalin(75 mg) + Nortrypyline (25mg) tablet in treatment of Chronic Neuropathic Low back pain in Patients.”
Investigator: Dr.Sharanabasappa
2. “A prospective, Internationale, Multi-centric, Randomized ,double blind two arm, parallel group ,placebo controlled clinical study to evaluate the efficacy and safety of BACOMIND, a standardized extract from Bacopamonnieri on the treatment of attention deficit and hyperactivity disorder (ADHD) in children and adolescents” .
Investigator: Dr.Sharanabasappa