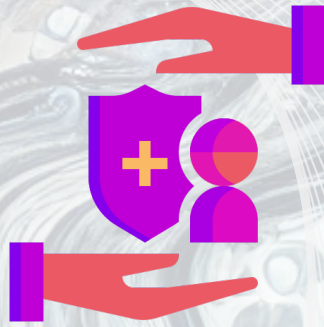


Special Interest Group



On Quality and Safe use of Medicine

An Initiative
of
Research Division
JSS AHER, Mysuru-15.



Team Lead
Dr. Veeranna S

Professor
Department of Dermatology
JSS Medical College,
JSS AHER, Mysuru

Started on 2021-22

JSS Academy of Higher Education & Research

(Deemed to be University)
Accredited "A" Grade by NAAC

(DEEMED TO BE UNIVERSITY) MYSURU

REG/ACA/SIG/QSM/437/2019-20 1179/

Date: 06.02.2020

NOTIFICATION

Sub: Reconstitution of Special Interest Group in "Quality and Safe Use of Medicine"
Ref: JSS AHER earlier Notification No. REG/ACA/SIG/225/201-17 dated 30.05.2016.

Special Interest Group (SIG) – "Quality and Safe Use of Medicine"

In exercise of powers conferred under Section 50 (xxii) and 12 [xi (a)] of the MoA/Rules of JSS Academy of Higher Education & Research (JSS AHER) as per UGC Regulations 2016, the Special Interest Group (SIG) in the area of "Quality and Safe Use of Medicine" has been reconstituted for focusing on basic and applied research in the area of Quality and Safe Use of Medicine with the following members:

Sl.No.	Name of the member	Remarks
1	Dr. Veeranna S Professor & Head, Dept. of Dermatology JSS Medical College.	Group Leader
2	Dr. Basavana Gowdappa H Principal JSS Medical College.	Member
3	Dr. Ravi M. D Professor, Dept. of Paediatrics JSS Medical College.	Member
4	Dr. Mahesh P.A Professor, Dept. of Respiratory Medicine JSS Medical College.	Member
5	Dr. Ramesh M Professor & Head, Dept. of Clinical Pharmacy JSS College of Pharmacy Mysuru.	Member
6	Mrs. Shilpa Palaksha Assistant Professor, Dept. of Pharmacy Practice JSS College of Pharmacy, Mysuru.	Member Secretary

The SIG "Quality and Safe Use of Medicine" shall function for a period of three years from the date of Notification.

The SIG shall submit their report once in six months to the JSS AHER. The budget for the functioning shall be submitted by the Group leader of the SIG and approval shall be obtained from the JSS AHER for carrying out their various activities.

Guidelines for the formatio

Objective: To promote research in specific area by a group of individuals working in the constituent colleges of the JSS AHER, who are desirous of promoting research in a specific area through

- Continuous dialogue
- Conducting Group meetings
- Submitting research projects
- Development of new ideas in research in the identified area and translating the same into research proposals to external funding agencies and research publications in indexed journals.
- Translating research findings into the clinical applications
- Organizing seminars related to objectives of the Group.

The SIG should categorize their objectives as short term and long-term objectives and while submitting the progress reports, highlight their achievements under the same.

Structure: The SIG shall consist of 5-7 members with a group leader. They shall meet periodically and submit the report of the group activities and achievements annually.

The Special Interest Group shall function for a period of 3 years from the date of notification, which can be extended further, based on the outcomes and reviewed by the Board of Management of the JSSAHER.

Budget: The budget required for functioning of the SIG shall be allocated from Research and Development fund of the JSS AHER based on the budget prepared and submitted by them annually.

The budget shall be provided for following aspects.

- Meeting expenses of the Group.
- Short travels within India for the purpose of group objectives.
- Secretarial assistance as required by the Group.
- Preparation of research project proposals/reports.

The JSS AHER shall provide in its budget for the expenditure proposed by the Special Interest Groups and make the funds available to the respective group.

Evaluation of outcomes: JSS AHER shall evaluate the SIG periodically with respect to their group objective examining the following.

- Progress in the proposed research projects.
- Publication of research findings in periodicals and presentations Reports.

To,

All the above members,

Copy to:

1. The Pro Chancellor, JSS AHER.
2. The Vice Chancellor, JSS AHER.
3. The Controller of Examinations, JSS AHER.
4. The Director (Academics), JSS AHER.
5. The Director (Research), JSS AHER.
6. The Dy. Registrar (Senior Grade), JSS AHER.
7. The Dy. Director (Academics), JSS AHER.
8. The Dy. Director (Authorities), JSS AHER.
9. The Associate Director (Research), JSS AHER.
10. The IQAC Coordinator, JSS AHER.
11. The Asst. Director (Academics), JSS AHER.
12. The Asst. Director (Research), JSS AHER.
13. The Principal, JSS Medical College.
14. The Principal, JSS Dental College & Hospital.
15. The Principal, JSS College of Pharmacy, Mysuru.
16. The Principal, JSS College of Pharmacy, Ooty.
17. The Head, Dept. of Water & Health (FLS), JSS AHER.
18. The Coordinator, Dept. of Health System Management Studies, JSS AHER
19. Office Copy

Name of the SIG: : Quality and Safe use of Medicine

Approval Reference: REG/ACA/SIG/CBC/428/ 2022-2023/5783, Dated 23rd August 2022

Name of the Team Leader: Dr. Veeranna S

Members

Sl. No.	Name of the members	Role
1.	Dr. Veeranna S Professor, Department of Dermatology, JSS Medical College JSSAHER, Mysuru	Team Lead
2.	Dr. Basavana Gowdappa H Dean faculty of Medical, JSS Medical College, Mysuru	Member
3.	Dr. M D Ravi Professor, Dept. of Pediatrics JSS Medical College, Mysuru	Member
4.	Dr. Mahesh PA Professor, Dept. of Pulmonology, JSS Medical College, Mysuru	Member
5.	Dr. Ramesh Professor, Dept. of Pharmacy Practice JSS College of Pharmacy, Mysuru	Member
6.	Dr. Renugha P.S.S Assistant Professor, Dept. of Dermatology JSS Medical College, Mysuru	Member

7.	Ms. Shilpa Palaksha Assistant Professor, Dept. of Pharmacy Practice JSS College of Pharmacy, Mysuru	Member Secretary
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Objectives

Primary Objectives

- To create awareness on quality and safe use of medicine
- To initiate collaborative research projects in the area of quality and safe use of
- medicine
- To publish the research findings in the reputed journals
- To present the research work in national/global platform

Secondary Objectives

- To submit research project to various funding agencies
- To promote quality and safe use of medicine

Activities Conducted

Workshops/Seminars

Sl. No.	Topic	Date	Type of the event
1.	‘Medication Errors – A Silent Threat to Patient Safety’ by Mr. Rajesh Thalapparambath, Senior Pharmacist, Pharmaceutical Care and Drug Utilization Services, John Hopkins Aramco Health Care, Dhahran, Saudi Arabia	6-08-2016	Guest lecture

2.	‘Importance of safety monitoring’ by Sten Olsson, Uppsala Monitoring Centre, Sweden	16-01-2017	Guest lecture
3.	‘Drug Safety Overview - An Industrial Perspective’ by Dr. Rahul Jain D, Project Manager, Bioclinica, Mysuru	7-10-2017	Guest lecture
4.	‘Role of a clinical pharmacist in advancing patient care and de- prescribing’ by Ms. Seema Gupta, Accredited Consultant Pharmacist, Victoria, Austral	8-11-2017	Guest lecture
5.	Benefit-risk balance & risk management’ by Birgitta Grundmark, Uppsala Monitoring Centre, Sweden	2-02-2018	Guest lecture
6.	Antimicrobial resistance’ by Dr. Jayesh M Pandit, Bayer, Kenya	7-02-2018	Guest lecture
7.	Drug Safety Evaluation and Pharmacovigilance and Benefit- Risk Assessment’ by Dr. John Talbot, Senior Lecturer, Pharmacovigilance, University of Hertfordshire, United Kingdom	23-7- 2018	Guest lecture
8.	Immunization Dialogue	6-02-2018	Seminar

9.	Patient Medication Counselling	16-02-2018	Continuous Professional Development Program
10.	Trends in Vaccination and Medication Errors on Vaccine Pharmacovigilance	28-03-2018	Seminar
11.	Rational Use of Antibiotics	29-09-2018	Continuous Professional Development program
12.	Continuing Professional Development (CPD) for Practicing Pharmacists, Topic: Role of Practicing Pharmacists in Immunization	13-02-2021	Continuous Professional Development
13.	Interprofessional Practice and Communication	21-04-2021	Webinar
14.	Cohort Event Monitoring and Targeted Spontaneous Reporting	24-04-2021	Webinar

15.	Two days Training on Pharmacovigilance for Junior Pharmacovigilance Associate, Mysore Medical College, Mysuru.	05-04-2021 to 06-04-2021	Training Program
16.	Clinical Operations & Risk-Based Monitoring : Industry Perspectives	31-07-2021	Webinar
17.	Awareness & Sensitization on Adverse Drug Reaction Reporting & Monitoring	17-08-2021	Awareness & Sensitization Program
18.	Training on Pharmacovigilance Activities Conducted for the Postgraduate Students of Department of Pharmacology, JSS College of Pharmacy Mysuru	05-08-2021 to 06-08-2021	Training Program
19.	Webinar on Patient Safety	23-09-2021	Webinar
20.	Sensitization & Awareness Program on 'Importance of Reporting of Adverse Drug Reaction' – In Community Settings	17-09-2021	Awareness & Sensitization Program
21.	Quiz Competition on theme: Pharmacovigilance: A Step Towards Patient Safety	19/09/2021	Quiz Competition

22.	Essay Competition on theme: “Pharmacovigilance in Patient: Challenges and Perspectives” and “Social Media: A Tool for Spreading Awareness on Pharmacovigilance”	18-09-2021	Essay Competition
23.	E-Poster & Animation Competition on the themes: “Medication Errors: Detection & Prevention” and “Importance of Pharmacovigilance in Indian Population”	20-09-2021	E-Poster & Animation Competition
24.	Elocution Competition on the theme: Pharmacovigilance: A Step Towards Patient Safety	21-09-2021	Elocution Competition
25.	Report on Sensitisation & Awareness Program on ‘Importance of Reporting of Adverse Drug Reaction	22-09-2021	Sensitization & Awareness Program
26.	Webinar on Antibiotic Stewardship Program	23-11-2021	Webinar
27.	Essentials of Pharmacovigilance: Basics to Advanced	18/12/2021	Webinar
28.	Adverse Drug Reaction Reporting Form, Version 1.4	09/12/2021	Awareness Program

29.	Risk Management Planning in Pharmacovigilance	6/26/2021	Guest Lecture
30.	Diabetes Management: Case Based Learning	11/02/2022	Webinar
31.	Nocebo Effect in Medication Safety	28/04/2022	Webinar
32.	Public Health Pharmacy Practice - An Evolving Role of Pharmacist	17/02/2022	Webinar
33.	Signal Detection in Pharmacovigilance	18/02/2022	Guest Lecture
34.	Webinar on Real World Data	21/04/2022	Webinar
35.	Heart failure & Chronic kidney diseases	11/02/2023	Guest Lecture
36.	High Alert Medications and their Safety Monitoring	13th January 2023	Awareness programme on patient safety
37.	Basics to Advance in Pharmacovigilance	27th& 28th February 2023	CME

38.	Medication Errors and their Safety Monitoring	9th June 2023	Awareness programme on patient safety
39.	Medication Errors and their Safety Monitoring	14th July 2023	Awareness programme on patient safety
40.	Detection & Reporting of Dispensing Errors	15th march 2024	Awareness programme on patient safety
41.	Reporting of Adverse Drug Reactions	10th June 2024	Awareness programme on patient safety
42.	Webinar on “Advancing, Excelling & Mastering in Pharmacovigilance”	29th June 2024	Webinar
43.	Detection & Reporting of Adverse Drug Reactions	4th July 2024	Awareness programme on patient safety
44.	Detection & Reporting of Adverse Events Following Immunization	14th & 16th August 2024	Training on pharmacovigilance

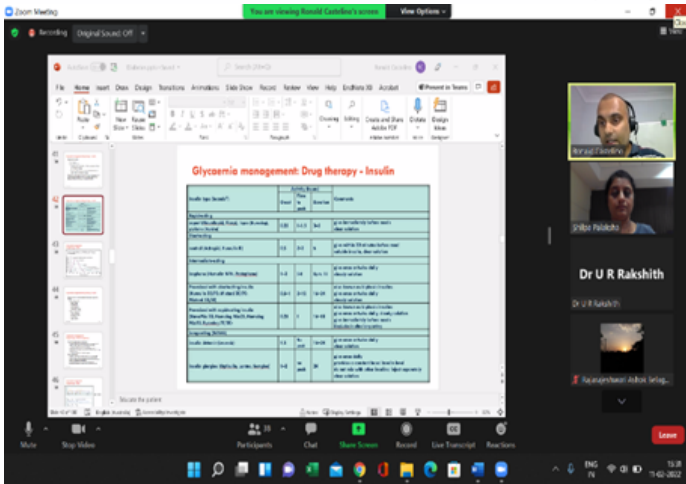


Fig 1: Dr. Ronald Castelino delivering talk



Fig 2: Dr. Jimmy Jose during his talk

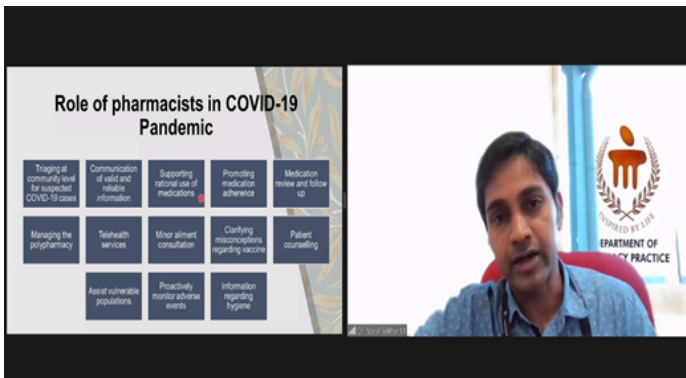


Fig 3: Dr. Sonal Shekar during his talk



Fig 4: Dr. Krishna Undela during his talk on Signal Detection



Fig 5: Pro K Arnold Chan and Dr. Krishna Undela during a webinar on Real World Data

Research Projects

Collaborations

1. Efficacy and Safety of Inhaled Corticosteroid Containing Combinations In Patients With Chronic Obstructive Pulmonary Disease (COPD): A Systematic Review and Meta-Analysis [Submitted June 2020; Mr. Christy Thomas - NIPER, Hajipur]

Projects and Patents

Ongoing/Completed Projects

1. **Completed:** Development and validation of skin prick testing in the diagnosis of immediate drug allergy
2. **Ongoing:** Development of a Whole Blood Lateral Flow Assay (LFA) for Detection of Drug Allergy. (Received JSS AHER grant of Rs 300000/- for this research project).

Patents/Prototypes

[Information on any patents filed, granted, or prototypes developed as part of the SIG's work]

Achievements

Publications

- Ancy Varghese, Krishna Undela, Parthasarathi Gurumurthy, Moda Gopalakrishna Narahari. Impact of diabetes on the risk of geriatric conditions among patients seen in a tertiary care hospital in India. International Journal of Health and Allied Sciences August 2017 6(3): 169-76.
- Juny Sebastian, G Parthasarathi, Mandyam Dhathi Ravi. Development of Knowledge, Attitude and Practice Questionnaire of Parents towards Vaccination: Process, Challenges and Solutions. Indian Journal of Pharmacy Practice. August 2017 10(2); 115-120.
- Mahesh PA, Srikanth JN, Ananthakrishna MS, Parthasarathi G, Chaya SK, Rajgopal R, Renuka Devi M, D'Souza L, Amrutha DH. Amelioration of quality of life and lung function of chronic obstructive pulmonary disease by pranik healing as adjuvant therapy. Australian Medical Journal. January. 2017 10(8):665-673.

- Mishra A, Krishna GS, Alla S, Kurian TD, Kurian J, Ramesh M, Kishor M. Impact of Pharmacist–Psychiatrist Collaborative Patient Education on Medication Adherence and Quality of Life (QOL) of Bipolar Affective Disorder (BPAD) Patients. *Frontiers in Pharmacology*. October 2017 8:722 doi: 10.3389/fphar. 2017.00722.
- Ambed Mishra, G Sai Krishna, A. Sravani, Tony D. Kurian, Justin Kurian, M. Ramesh, M. Kishor. Impact of pharmacist-led collaborative patient education on medication adherence and quality of life of schizophrenia patients in a tertiary care setting. *Bulletin of Faculty of Pharmacy, Cairo University*. December 2017 55;345–349.
- Adusumilli PK, Rajendra Prasad S, Parthasarathi G, Undela K. Assessment of adverse drug reactions to antiretroviral agents among HIV patients. *Journal of Applied Pharmaceutical Science* February 2018 8(2):79-82.
- Muhammed Rashid Parambil Peedikkal, Juny Sebastian, Madhan Ramesh, Narayanappa Doddaiah, Sathya Narayana Prashanth. Gingival Overgrowth on Chronic use of Amlodipine: A Case Report. *Indian Journal of Pharmacy Practice*. February 2018; 10(4): 298-301
- Vineetha Bharathan Menon, Ansu Anie Sunny, Pratibha Pereira, Shashidhara Chikkaveeraiah, Madhan Ramesh. Steroid Psychosis: A Case Series of Three Patients. *Indian Journal of Pharmacy Practice*. March 2018; 11(1): 51-54
- Juny Sebastian, Alisha Besto, Rinu Shaji, T Vijayalakshmi, Melambha Surong, M Ramesh. Comparison of Safety Reports: High-risk Versus Low-risk Patients. *International Journal of Pharmaceutical Research*. July-Sep 2018; 10(3): 434-439
- Sebastian J, Parthasarathi G, Ravi MD. Is there a Role for Pharmacist in Safety Monitoring of Vaccines? (Review) *Indian Journal of Pharmaceutical Education and Research* February 2018 52(2):202-6.
- A Pramod Kumar, G. Parthasarathi, S N Mothi, A P Sudheer, V.H.T. Swamy, Srirama. Clinical outcomes of use of Hydroxychloroquine in paradoxical TB associated IRIS in HIV infected patients. *Asian Journal of Pharmaceutical and Clinical Research*. February 2018 11(2):439.

- Juny Sebastian, Madhan Ramesh, Chanchal Anandhy Mahin, Linda Jose, Vijayalaxmi Nagappa Sirasgi, Adhirai Raveendran. Assessment of cutaneous adverse drug reactions in a tertiary care hospital. *Indian Journal of Drugs in Dermatology*. 2019; 5; 89-93
- Aparna R Menon, Bhanu Kumar, Koneru Vasavi, Sulfath TS, Sri Harsha Chalasani, Madhan Ramesh. A Case Report on Linezolid and Cefuroxime Induced Leucocytoclastic Vasculitis. *Journal of Young Pharmacists*. April 2019. 11(2); 227-229
- Juny Sebastian, Parthasarathi Gurumurthy, Mandyam Dhathi Ravi, Madhan Ramesh. Active surveillance of adverse events following immunization (AEFI) – a prospective three-year vaccine safety study. *Therapeutic advances in vaccines and immunotherapy*. 2019 Nov; 7 (1) / doi.org/10.1177/2515135519889000
- Landa Vikash, Hathur Basavana Gowdappa, Siddartha N Dhurappanavr, Ramesh Madhan. A case report on mycophenolate mofetil-induced acute hepatitis in patient diagnosed with autoimmune hemolytic anemia and chronic calcific pancreatitis. *Drug Invention Today*. 2020; 13 (2): 160-162
- Sujit Kumar Sah, R. Subramanian, Madhan Ramesh. Methotrexate-induced organ toxicity in patients with rheumatoid arthritis: A review article. *Drug Invention Today*. 2020; 14 (1): 137-152
- Jehath M. Syed, M. Ramesh, C. Sri Harsha. Cilnidipine-induced photosensitive reaction: A rare case report. *Drug Invention Today*. 2020; 13(5): 704-706
- Krishna MT, Vedanthan PK, Vedanthan R, El Shabrawy RM, Madhan R, Nguyen HL, Kudagammana T, Williams I, Karmacharya B, Hariharan S, Krishnamurthy K, Sumantri S, Elliott R, Mahesh PA, Marriott JF. Is spurious penicillin allergy a major public health concern only in high-income countries? *BMJ Glob Health*. 2021 May;6(5):e005437. doi: 10.1136/bmjgh-2021-005437. PMID:34016579; PMCID: PMC8141433.

- Sujit Kumar Sah, Bilesh Shakya, Atiqulla Shariff, M. Suresh Babu, Subramanian Ramaswamy, Madhan Ramesh, P. Niharika, Siddargtha N. Dhurappanavar. Aceclofenac-induced drug reaction with eosinophilia and systemic symptoms syndrome. *Journal of Pharmacology and Pharmacotherapeutics*. 2021; 12(3): 144-146
- Manjappa Mahadevappa, Annet Jodiya, Sri Harsha Chalasani, Jehath M Syed, Madhan Ramesh, Prathibha Pereira. Amiodarone-Induced Hyponatremia in An Elderly Patient: A Rare Case Report. *Journal of Pharmacy Practice*. October 29, 2021. <https://doi.org/10.1177%2F08971900211054199>
- Sebastian J, Mathew M, Sharsty V, Ramesh M. Leukocytoclastic Vasculitis following COVID-19 Vaccination: A Case Report. *Hospital Pharmacy*. December 2022. doi:10.1177/00185787211067379
- Priya JA, Ravina R, Ballaekere J, Subhash C, M Ramesh, Sri Harsha C. Assessment of Medication Safety Incidents Associated with High-alert Medication Use in Intensive Care Setting: A Clinical Pharmacist Approach. *Indian Journal of Critical Care Medicine*. December 2023; 27(12): 917-922

Awards and Recognitions

- Received for presenting the research work Travel grant from International society of Pharmacoepidemiology in year 2018 for attending 34th ICPE
- Received for presenting the research work Travel grant from International society of Pharmacoepidemiology in year 2019 for attending 12th ACPE

Student/Faculty Involvement

- Poster presentation on Predisposing factors, incidence and severity assessment of antibiotic induced hypersensitivity reactions in inpatients of a tertiary care hospital in India at 34th ICPE conference held at Prague, Czech Republic on August 22-26 2018

- Oral presentation on “Assessment of impact of different instructional interventions in training on inhalers amongst asthma and COPD patients” at 12th Asian conference of Pharmacoepidemiology and 25th Japanese conference on Pharmacoepidemiology joint meeting was organized by the International society of Pharmacoepidemiology (ISPE) at Kyoto, Japan from October 11th to 13th 2019.
- Poster presentation on title “Assessment of knowledge, attitude and practice on drug allergy amongst in-patients in a tertiary care hospital” at 12th Asian conference of Pharmacoepidemiology and 25th Japanese conference on Pharmacoepidemiology joint meeting was organized by the International society of Pharmacoepidemiology (ISPE) at Kyoto, Japan from October 11th to 13th 2019.
- Madhan Ramesh, Urechi A M, Sri Harsha Chalasani. Medication Errors Associated with the Use of Antibiotics in Critical Care Units. ISPE’s 12th Asian Conference on Pharmacoepidemiology held at Kyoto International Exhibition Hall, Kyoto, Japan from 11th - 13th October 2019

Future Plans

- 1.To conduct medication safety and prevention of medication errors awareness programmes among health care professionals.
- 2.To initiate research projects related to the genetic factors in ADRs
- 3.To initiate public awareness about self-medication and its impact on patient safety

Long Term Goals

- To ascertain the safe use of medications and reduce the medication related ADRs.

Conclusion

Summary

The SIG is involved in spreading awareness of quality and safe use of medicine and also involved in collaborative research and publications.