



Indian Council of Medical Research (ICMR)

Department of Health Research

(Ministry of Health and Family Welfare)

IIRP IG

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Proposal Id: IIRPIG-2025-01-02038, 0 Version Id: F1,

Title of the proposed research project (upto 25 words) should be specific, concise and yet sufficiently descriptive and informative.: Assessment of effectiveness of Flu and Pneumococcal vaccination on elderly population at a Tertiary Hospital and Community: A Randomized Control Trial

Personal details of Principle Investigator (PI)

Name of PI (IN BLOCK LETTERS) :

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Designation :

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Gender :

Female

DOB :

15-09-1980

Date of Superannuation :

14-09-2044

Nature of Employment

Permanent

Institute

Swami Rama Himalayan University, Private academic institutions with valid UGC/AICTE/PCI or NMC approved Medical colleges , YES (31-Mar-2026)

Proposal Details PART-A

Nature of employment in Medical Institutes, Research Institutes, Universities, Colleges, recognized Research & Development laboratories, Government and semi-government organizations, and NGOs.

Yes

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Call for Investigator-Initiated Research Proposals for intermediate extramural grants - 2025

Summary (up to 250 words): A structured summary should contain the following subheadings: Rationale/ gaps in existing knowledge, Novelty, Objectives, Methods, and Expected outcome.

Vaccination has been successful in preventing diseases and promoting health as observed during COVID 19 infection. While Influenza immunization reduces the use of antimicrobials, the pneumococcal vaccines reduce the transmission of antimicrobial-resistant strains of pneumococcus. Pneumococcal and Influenza vaccines are also being investigated for benefits to patients with Chronic Obstructive Pulmonary Disease (COPD), Asthma and Interstitial Lung Disease (ILD). In India, vaccines of both Influenza and Pneumococcal are being manufactured by several Indian companies but their use in elderly population is still challenging due to lack of awareness, hesitancy, cost and proper guidelines on vaccination schedule. Despite recommendations by several groups such as Geriatric Society of India, Association of Physicians of India, Indian Medical Association other such bodies, there is no national immunization programme for the elderly population in India. It is proposed to assess effectiveness of Flu and Pneumococcal vaccines with PICO outlay: P- Elderly population who are more than 60 years I- Flu Pneumococcal vaccines being manufactured in India C- Vaccine Placebo O- Outcomes on i) reduced hospital admissions due to influenza infection and pneumonia assessed clinically, microbiologically, immunologically ii) reduced use of antimicrobials. Data would also be collected whether vaccines have an impact on COPD, Asthma and ILD. The study would be prospective Randomized Control Trial (RCT) in hospital Respiratory Medicine OPD and in community covering both plain and hilly regions of Uttarakhand. It would be completed in four years after due approval from the Institute's Ethics Committee (IEC) following ICH-GCP guidelines.

Priority Area/Priority Area diseases

Communicable Diseases (bacterial,viral, fungal, parasitic) / Influenza and other Respiratory infection

Keywords Six keywords separated by comma which best describe your project may be provided.

Flu, Pneumococcal, Randomized Control Trial ICH-GCP, COPD, Interstitial Lung Disease

Abbreviations Only standard abbreviations should be used in the text. List of abbreviations maximum of ten may be given as a list.

OPD-Out Patient Department COPD-Chronic Obstructive Pulmonary Disease ILD- Interstitial Lung Disease RCT-Randomized Control Trial ICH-GCP-International Council on Harmonization Good Clinical Practice IEC-Institute's Ethical Committee PICO- Patient Intervention Control Outcome

