



Global Summit on Nursing Science
**Clinical Practice & Healthcare
Innovation**

2025

G-SNCPH 2025

**Global Summit on Nursing Science,
Clinical Practice & Healthcare Innovation**



23rd & 24th October 2025



Manila, Philippines

Organized by



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Global Summit on Nursing Science
**Clinical Practice & Healthcare
Innovation**

Global Summit on Nursing Science, Clinical Practice & Healthcare Innovation (G-SNCPH-2025),
Manila, Philippines

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Empowering the Future of Nursing: Bridging Research, Practice, and Innovation for Global Health Impact

Conference Theme



Preface

We are delighted to extend a warm welcome to all participants attending “Global Summit on Nursing Science, Clinical Practice and Healthcare Innovation (G-SNCPH-2025)” organized by IFERP Lifesciences on October 23rd-24th, 2025 at Manila, Philippines. This conference provides a vital platform for researchers, students, academicians, and industry professionals from all over the world to share their latest research results and development activities in the fields of Nursing Science, Clinical Practice and Healthcare Innovation. It offers delegates an opportunity to exchange new ideas and experiences, establish business or research relationships, and explore global collaborations.

The proceedings for G-SNCPH-2025 contain the most up-to-date, comprehensive, and globally relevant knowledge in the fields of Nursing Science, Clinical Practice and Healthcare Innovation. All submitted papers were subject to rigorous peer reviewing by 2-4 expert referees, and the papers included in these proceedings have been selected for their quality and relevance to the conference. We are confident that these proceedings will not only provide readers with a broad overview of the latest research results in Nursing Science, Clinical Practice and Healthcare Innovation but also serve as a valuable summary and reference for further research in those fields.

We are grateful for the support of many universities and research institutes, whose contributions were vital to the success of this conference. We extend our sincerest gratitude and highest respect to the many professors who played an important role in the review process, providing valuable feedback and suggestions to authors to improve their work. We also extend our appreciation to the external reviewers for providing additional support in the review process and to the authors for contributing their research results to the G-SNCPH-2025.

Since July 2025, the Organizing Committees have received more than 100+ manuscript papers, covering all aspects of Women, Gender and Leadership. After review, approximately 25+ papers were selected for inclusion in the proceedings of G-SNCPH-2025. We would like to thank all participants at the conference for their significant contribution to its success.

We express our gratitude to the keynote and individual speakers and all participating authors for their dedication and hard work. We also sincerely appreciate the efforts of the technical program committee and all reviewers, whose contributions made this conference possible. Finally, we extend our thanks to all the referees for their constructive comments on all papers, and we express our deepest gratitude to the organizing committee for their tireless work in making this conference a reality.

About **G-SNCPH 2025**

Welcome to the Global Summit on Nursing Science, Clinical Practice & Healthcare Innovation (G-SNCPH-2025)! With the theme “Empowering the Future of Nursing: Bridging Research, Practice, and Innovation for Global Health Impact”, this summit brings together nurses, researchers, educators, and healthcare leaders from around the world.

As healthcare continues to evolve, nursing remains at the heart of impactful change. This summit is a space to share knowledge, explore new ideas, and build global connections that drive better health outcomes. We look forward to your active participation in shaping the future of nursing and healthcare.

Scope of the Conference



Global Summit on Nursing Science, Clinical Practice & Healthcare Innovation (G-SNCPH 2025) aims to advance the global nursing profession by integrating research, clinical excellence, and innovation. The summit provides a platform to:

- » Share cutting-edge research in nursing and healthcare.
- » Explore innovations in clinical practice, patient care, and healthcare delivery.
- » Address global health challenges and promote equitable, sustainable healthcare.
- » Foster international collaboration among nursing professionals, educators, researchers, and healthcare leaders.
- » Highlight the critical role of nursing in shaping healthcare systems and influencing policy.

About **IFERP Lifesciences**

IFERP Life Science is a globally recognized professional association meant for research, innovation and development in the field of life sciences and medical sciences . It serves to propel and fuel all innovative works of research with immense potential in the fields of Healthcare, Life Sciences, Pharmaceutical Sciences, Medical Sciences, Food & Nutrition, Environmental Science, Oncology, Cardiology, Nursing, Microbiology, Physiotherapy, Dentistry and many more. IFERP Life Science has been directly responsible for a significant amount of the revolutionary developments that have taken place in these fields over the past few decades.

IFERP Life Science is a specialized platform that supports life science and medical professionals in advancing their careers and research impact. Our tailored solutions include international conferences, Faculty Development Programs, Webinars, author services, membership and scientific communications, designed to foster collaboration and knowledge-sharing within the global medical community.



Our Mission

- » Promote global research, innovation and development in life science, medical science, environmental science, pharmaceutical science and health care, to attain sustainable development goals (SDG's) for universal benefit.
- » Advance Life Science & Medical Science for societal service.
- » To facilitate knowledge exchange and growth through our professional activities and scientific conferences.



Our Vision

- » An inclusive global scientific community promotes excellence in life science and medical events, author services, membership, informed decisions, and actions worldwide.

Message from **Director, IFERP**



Mr. Siddh Kumar Chhajer

Founder & Managing Director,
IFERP, Technoarete Group, India

“

On behalf of Institute For Educational Research and Publications (IFERP) & the organizing Committee, I express my hearty gratitude to the Participants, Keynote Speakers, Delegates, Reviewers and Researchers.

The goal of the 13th GoGreen Summit is to provide knowledge enrichment and innovative technical exchange between international researchers or scholars and practitioners from the academia and industries of related fields.

This conference creates solutions in different ways and to share innovative ideas in the related fields. 13th GoGreen Summit provides a world class stage to the Researchers, Professionals, Scientists, Academicians and Students to engage in very challenging conversations, assess the current body of research and determine knowledge and capability gaps.

13th GoGreen Summit will explore the new horizons of innovations from distinguished Researchers, Scientists and Eminent Authors in academia and industry working for the advancements in related fields from all over the world. 13th GoGreen Summit hopes to set the perfect platform for participants to establish careers as successful and globally renowned specialists in the related fields.

Message from **CEO, IFERP**



Mr. Rudra Bhanu Satpathy

Chief Executive Officer & Founder
IFERP, Technoarete Group, India

“

IFERP is hosting the 13th GoGreen Summit this year in month of September, 2025. The main objective of 13th GoGreen Summit is to grant the amazing opportunity to learn about groundbreaking developments in modern industry, talk through difficult workplace scenarios with peers who experience the same pain points and experience enormous growth and development as a professional. There will be no shortage of continuous networking opportunities and informational sessions.

The sessions serve as an excellent opportunity to soak up information from widely respected experts. Connecting with fellow professionals and sharing the success stories of your firm is an excellent way to build relations and become known as a thought leader. I express my hearty gratitude to all my Colleagues, Staffs, Professors, Reviewers and Members of Organizing Committee for their hearty and dedicated support to make this conference successful. I am also thankful to all our delegates for their pain staking effort to make this conference successful.

Special Guest of Honor



Dr. Pelagio Labang Jr

Education Supervisor

Internationalization and Transnational
Higher Education, Philippines

“

He earned the value of dedication, service and excellence at an early age, averaging the unique lessons of endowing to unleash his untapped potentials which he learned from the inside out. His own journey to excellence has been fuelled with an unrelenting passion for empowering other people.

Having graduated from college with a degree in Economics, he started his career as a marketing director of STI Education Services Group, specifically for schools located in Region 2 for more than ten years, After which he started engaging himself in the academe and became the Dean of the College of Business and Accountancy for almost 10 years at the International School of Asia and the Pacific in Region 2, along with it, he was also appointed as the Quality Assurance Officer of the same institution. With his passion and commitment to fulfil the corporate mandates of his profession, he was promoted and appointed as Director for Academic Services in one of the campuses of the said university.

His love to teaching prompted him to pursue his graduate studies and co his Master in Business Administration in 2012. and completed his Doctor of Philosophy in Business Management at Saint Paul University Manila. Being flexible to various kinds of work environment allowed him to explore other professions and worked as IELTS Examiner, Language Trainer and Assessor of TESDA Language Skills Institute in 2017, as lecturer in Leadership and Management for middle level managers at Furukawa Corporation, Santa Rosa, Laguna and the PNP Regional Office IV, Camp Vicente Lim, Laguna in 2019.

Prior to his current job at the Commission on Higher Education, he was a former Dean of the College of Business Administration and Accountancy at the University of Perpetual Help System DALTA at the same time the Planning and Quality Assurance Officer of the same university. An international speaker for Creative Economy, Strategic Management and Quantum Leadership in Indonesia, Vietnam, Thailand, Japan and Malaysia. A certified PACUCOA Accreditor, certified ISO Lead Auditor and a certificated Paralegal by UP Law Center.

Currently engaged in the government service as the CHED IV Education Supervisor II for Business and Management Education, CHED IV Regional Focal Person for Internationalization and Transnational Higher Education (TNHE), Supervisor In-charge for Student Affairs and Services and the former IOC, Chief Administrative Officer of the Commission on Higher Education Regional Office IV... *Dr. Pelagio C. Labang Jr.*

About **Keynote Speaker**



Dr. Victor Javier Vazquez Zamora

Medical Director

AB Radiosurgery and Radiotherapy of Puebla,
Mexico.



Dr. Víctor Javier Vázquez Zamora is a Mexican radiation oncologist with over a decade of experience in both the public and private healthcare sectors. He earned his medical degree from the Benemérita Universidad Autónoma de Puebla in 2006 and specialized in Radiation Oncology at the Universidad Nacional Autónoma de México, graduating in 2013. In 2018, he completed advanced training in radiosurgery and cancer treatment techniques at the University Hospital of Geneva, Switzerland. Dr. Vázquez has worked at the Instituto Mexicano del Seguro Social since 2013, focusing on head and neck, gynecological, and central nervous system cancers. He currently serves as the Medical Director of AB Radiocirugía y Radioterapia de Puebla. In addition to clinical work, he is actively involved in teaching and research, serving as a professor for radiotherapy and oncology training programs, and has presented at international conferences such as ASRT and SGRT. He is also a member of more than 10 international medical societies.

About **Keynote Speaker**



Ms. Farhana Tabassum Siddique

Former Director of Undergraduate Programs -
Ziauddin University College of Nursing
Founding Principal - MMIH College of Nursing
Karachi

Former Director - College of Nursing
Baqai CoN, Baqai Medical University, Karachi
FEND Scholarship Scholar MSc Diabetes Clinical
Care & Management, King's College London,
United Kingdom.



Farhana Tabassum Siddique is Pakistan's first Advanced Nurse Practitioner (ANP)—a pioneering nurse leader, educator, and global health advocate with over 30 years of experience in clinical practice, academic leadership, and health systems strengthening.

She holds a Postgraduate Diploma in Advanced Nursing Practice from the University of Nottingham, UK, and is currently pursuing her MSc in Diabetes Clinical Care & Management at King's College London, supported by the prestigious FEND (Foundation of European Nurses in Diabetes) Scholarship. Her current research focuses on developing and integrating the Nurse Practitioner (NP) and Advanced Nurse Practitioner (ANP) roles in Pakistan for the first time.

Farhana has served as Director of Nursing Education at several renowned institutions, including Ziauddin University College of Nursing and Baqai Medical University College of Nursing, and is the founding principal of MMIH College of Nursing, Karachi.

She has developed and led advanced programs in:

- Diabetes Care & Lifestyle Management
- Pain Management
- Mental Health (CBT)
- Geriatric & Home Care Nursing
- Infection Control
- Community-Based Nursing Models
- 17 UN Sustainable Development Goals (SDGs)

She also actively promotes CPR and basic life-saving skills across underserved communities in Pakistan.

In recognition of her contributions, she was awarded 4th place in the Health Category at the National Idea Bank Awards 2023, under the Presidency of Pakistan, for her innovation: “Empowering Community Midwives and Nurses in NCDs Management to Achieve UN SDGs”—selected from over 3,000+ national entries.

Farhana is a frequent speaker at both national and international platforms, passionately advocating for nurse leadership, advanced practice roles, and ethically and spiritually rooted healthcare systems, aligned with global standards and local needs.

About **Keynote Speaker**



Dr. Dyah Ika Krisnawati

Senior Lecturer

Faculty of Nursing and Midwifery
Universitas Nahdlatul Ulama Surabaya
Indonesia



Dyah Ika Krisnawati currently works as a lecturer at Nahdlatul Ulama University Surabaya. Born in Madiun, January 2nd, 1977. Her educational and professional journey began with the Diploma III Nursing Program at the Indonesian Ministry of Health Nursing Academy in Malang, followed by the Bachelor of Nursing Science Study Program at Brawijaya University. The Master's Program in Basic Medical Science Education was completed at the Faculty of Medicine, Airlangga University. Then, the Doctoral Education level was pursued at the Graduate Institute of Medical Science, Taipei Medical University. The DIII to Doctoral education levels were all undertaken with scholarships obtained from the Indonesian Ministry of Health, the Dharma Husada Foundation of Kediri, and the BPPLN DIKTI programs. To date, Dyah has published 12 national publications, 29 reputable international publications, 12 IPRs, and 8 books with ISBNs. With an accumulated H-Index of 15 on Google Scholar and 14 on Scopus. Dyah is also actively teaching in the master's and doctoral programs at the International Graduate Program in Medicine, College of Medicine, Taipei Medical University. Dyah is also active as a reviewer and editor in several national and international journals and is also active in the professional organization of the Indonesian National Nurses Association (PPNI) as a member and a member of the Entrepreneurship section of the Central Board of the Indonesian Biomedical and Biomolecular Researchers Association (PBBMI).

About **Keynote Speaker**



Dr. Sukhpal Kaur

Principal

National Institute of Nursing Education (NINE)-
PGI, India.



Dr. Sukhpal Kaur (Ph.D, PGDS, FNRSI) is the Principal of the National Institute of Nursing Education (NINE), PGIMER, Chandigarh, and a leading figure in Indian nursing education and research. With over 34 years of experience, she has played a pivotal role in advancing nursing practice, introducing innovative academic programs, and leading interdisciplinary research. She has successfully led multiple research projects funded by ICMR, DST, and DBT, focusing on underserved populations, including the elderly, cancer patients, and rural communities. Her contributions include the development of trilingual educational tools, mobile health applications, and indigenous cryotherapy techniques, many of which are now integrated into patient care practices. A prolific author, she has published over 280 articles in various peer-reviewed national and international journals and authored nine textbooks that are widely used in nursing curricula.

Dr. Kaur was recognized globally as one of the top 10 finalists for the prestigious Aster Guardians Global Nursing Award 2025, selected from over 100,000 nominations worldwide. Her commitment to nursing education, patient-centered care, and health innovation continues to inspire nurses across India and beyond.

About **Keynote Speaker**



Mr. Edmar San Jose Elcarte

Faculty

College of Nursing
De La Salle Medical and Health Sciences Institute
Co-chair - Non-communicable Diseases
Technical Working Group
Association of Pacific Rim Universities
External Peer Reviewer, Institutional Ethics
Review Committee
Our Lady of Fatima University
Philippines



He is a registered nurse, a certified nephrology nurse, a licensed professional teacher in biological sciences, a trained diabetes educator, a palliative and hospice care advocate, research mentor, and educator. With his more than 10 years of nursing practice, he gained enormous and valuable experience in the clinical, hospital management, health research, project management, and nursing education. He also built linkages from different nursing organizations here in the Philippines and abroad promoting advancements in learning among nurses in different care settings.

Moreover, he is an international chapter member of Asia Pacific Hospice and Palliative Care Network (APHN) Singapore, International Association for Hospice and Palliative Care (IAHPC), Sigma Nursing (Psi Beta and Phi Gamma Chapters), and Advocacy and International Core Member of Western Pacific Palliative Care Advocacy Network (WPPCAN). He is also serving as co-chair for Non-communicable Diseases working group of the Association of Pacific Rim Universities, and an external clinical peer reviewer for KDIGO (Kidney Disease Improving Global Outcomes), Scientific Reports, BMC Cancer, and Elsevier, other scientific research publications. In addition, he holds associate memberships in Sigma Xi, The Scientific Honor Society, and the Medical Sciences–Public Health Division of the National Research Council of the Philippines (NRCP). He also serves as Public Relations Officer of the Palliative and Hospice Care Nurses Association of the Philippines. He was also a recipient of an academic scholarship from Taipei Medical University, College of Nursing, for the

Advanced Healthcare Professional Training Program.

In advancing his career, he obtained his BS Nursing at LPU-St. Cabrini School of Health Sciences, and postgraduate studies in teaching at University of Santo Tomas under a scholarship grant from STEP-UP Philippine Business for Education. He completed the Fellowship and Masterclass training on Palliative and Hospice Care in Institute of Palliative Medicine, Kerala, India. He also attained his postgraduate certificate in Leadership and Management in Health from the University of Washington, and Western Pacific Climate and Health Responder Course from Mailman School of Public Health, Columbia University.

Currently, he is pursuing his Master of Arts in Nursing Major in Adult Health Nursing at University of the Philippines-Manila while still engaging in his professional development in clinical, academe, and research. He is also currently a Faculty and College Research Ethics Committee Member of De La Salle Medical and Health Sciences Institute, and Adjunct Faculty and Research Technical Reviewer of Centro Escolar University. Concurrently, he serves as external institutional ethics reviewer for Our Lady of Fatima University campuses. He also worked as a technical consultant and CPG Consensus Panelist for Department of Health and World Health Organization in various scientific and technical projects. And most recently, he was appointed as an international delegate of International Association of Hospice and Palliative Care (IAHPC) for the WHO-Western Pacific Region Regional Committee Meetings.

About Session Speaker



Dr. Yektiningtyastuti

Lecturer

Faculty of Health Sciences
Universitas Muhammadiyah Purwokerto
Indonesia



Dr. Yektiningtyastuti, Maternity Specialist, is a dedicated academic and practitioner committed to advancing and improving the quality of higher education, the nursing profession, and nursing organizations. She currently serves as the Head of the Health Information Management Study Program at Universitas Muhammadiyah Purwokerto, Central Java Province, Indonesia, where she integrates research, professional training, and community service to create a meaningful impact on education and society.

She holds a Doctorate in Nursing Management from Trinity University of Asia, Philippines, a Master's degree in Nursing, and a Specialist in Maternity Nursing, Universitas Indonesia. In addition to being a senior lecturer at Muhammadiyah University of Purwokerto, she is deeply concerned with the quality of higher education in health care, particularly in the field of nursing. She is currently registered as an accreditation assessor for the Indonesian Accreditation Agency for Higher Education in Health (IAAHEH) and also a member of the Maternity Nursing Branch of the Indonesian Nursing Collegium. Furthermore, she is currently one of the expert curriculum developers for higher education in the health sector in Indonesia. As a curriculum expert, Dr. Yektiningtyastuti actively serves as a resource person at various scientific events in higher education curriculum development programs in the Republic of Indonesia.

Dr. Yektiningtyastuti is also very active in various organizations, both educational and professional nursing organizations. She currently serves as the Chair of the Human Resources Development Division of the

Indonesian Association of Nursing Education Institutions (AINEC) and the Curriculum Division of the Central Java Province Association of Health Information Management Universities. As a maternity specialist, she plays a crucial role in improving maternal and child health in Indonesia. She is currently the Chair of the Indonesian Maternity Nurses Association, where she actively provides capacity-building programs for nurses, particularly maternity nurses. Other academic contributions include serving on the editorial board and peer reviewing for scientific journals, and she has received awards for excellence in research, scientific presentations, and academic leadership.

Beyond her academic and professional commitments, Dr. Yektingtyastuti is deeply dedicated to healthcare, with a focus on maternal and child health and reproductive health. She frequently shares her thoughts and ideas for improving maternal and child health through joint meetings with the Indonesian Ministry of Health. She believes that maternal and child health can improve and reach optimal levels if various changes in community attitudes and behavior are implemented through the integration of knowledge, attitudes, empathy, and purposeful action. This belief continues to guide her work and contributions to the communities she serves.

About Committee Members

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ABSTRACTS



Level of Knowledge on Rabies Vaccination in One of the Barangays in the Province of Iloilo

Lyra Jesel H. Ojaldon

College of Nursing, St. Paul University of Iloilo, Philippines

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College of Nursing, St. Paul University of Iloilo, Philippines

Abstract:

Rabies remains a significant global public health concern, with persistent knowledge gaps, especially in rural areas. Understanding these gaps is crucial for effective prevention strategies. This study aimed to establish the knowledge on rabies vaccination in a barangay in Iloilo Province. Specifically, it sought to: 1) identify participant sociodemographic profiles; 2) determine their overall and profile-grouped knowledge levels; and 3) identify knowledge gaps via questionnaire item analysis. A descriptive cross-sectional survey was conducted during the second semester of Academic Year 2024-2025. A researcher-made, 30-item true-or-false questionnaire was administered to 313 convenience-sampled residents aged 20-64 years. Data were analyzed using frequency, percentage distribution, and mean scores. Most participants (74.1%) demonstrated high knowledge, with 25.9% showing moderate understanding. Higher knowledge correlated with female gender, older age (45-66 years), student, higher educational attainment (postgraduate), and a history of multiple animal bites. Healthcare providers were the main information source, though mass media and internet/social media users exhibited the highest knowledge scores. Critical gaps included: only 31.6% knew rabies vaccination isn't globally mandatory for all pets; 41.9% incorrectly believed vaccination cures rabies after symptom onset; and 54.0% recognized vaccinated animals can still transmit rabies. Despite generally high awareness, significant misconceptions persist regarding rabies treatment limitations and global pet vaccination policies. Targeted educational interventions are vital to address these specific gaps. Recommendations include strengthening community health campaigns, ensuring accurate information dissemination by local health workers, and leveraging diverse media platforms. Further research in other barangays is encouraged.

Index Terms: Rabies, Rabies Vaccination

A Correlational Study on the Relationship Between Health Cadre's Length of Service and Knowledge Level of Stunting Prevention in the Early Detection of Child Growth and Development: A Study in Kampung Dadap

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Pelita Harapan University, Tangerang, Indonesia

Lenny Harefa

Pelita Harapan University, Tangerang, Indonesia

Abstract:

This study investigates the relationship between the length of a health cadre's service and their knowledge level regarding stunting prevention. Stunting is a critical public health issue in Indonesia, where a child's growth is impaired due to chronic malnutrition. The condition weakens the immune system and increases the risk of chronic diseases later in life, such as diabetes, stroke, and heart disease. In 2022, Indonesia's stunting prevalence was 21.6%, still exceeding the WHO target. In Banten, where this study was conducted, the prevalence was 20%. To combat this, the Indonesian government aims to reduce the stunting rate to 14% by 2024. Health cadres are crucial to this effort, acting as a link between the community and health services for health promotion and early detection of child growth and development.

A quantitative correlational design with a cross-sectional approach was used, involving 69 cadres from the Kutai Community Health Center. Data were collected using a questionnaire adapted from a 2019 study by Afifa and analyzed with the Chi-Square test. The results showed no significant relationship between the two variables, with a p-value of 1.079 (>0.05), leading to the rejection of the H1 hypothesis. While most cadres (72.5%) demonstrated a good knowledge level, and the majority (44.9%) had 5-10 years of service, the research concludes that length of service is not the only factor determining a cadre's knowledge. The findings suggest that other factors, such as education and training, should be considered to enhance cadre knowledge and improve stunting prevention efforts.

Characteristics of Deliveries at Siti Aminah Muhammadiyah Hospital, Secondary Hospital in Central Java Province, Indonesia: Results from Retrospective Analysis in 2023

Yektiningtyastuti Yektiningtyastuti

Universitas Muhammadiyah Purwokerto, Purwokerto, Indonesia

Azkiyah Imaarotul Ilmi

Universitas Muhammadiyah Purwokerto, Purwokerto, Indonesia

Kristhine Abegail M. Gamiao

Nueva Ecija University of Science and Technology, Sumacab Campus, Philippines

Abstract:

Every pregnant woman hopes for a natural delivery without complications or interventions. The choice of delivery method is driven by the need to facilitate the natural birth process, ensure the safety of both the mother and the baby, and address various factors that influence delivery, such as the condition of the mother, the fetus, the birth passage, and psychological factors. This study aimed to evaluate the demographic and clinical characteristics of pregnant women who gave birth at Siti Aminah Muhammadiyah Hospital in Central Java Province, Indonesia on 2023. The medical records of pregnant women who presented to Siti Aminah Muhammadiyah Hospital in 2023 and who gave birth through either vaginal or caesarean delivery were retrospectively analyzed. The patients' age, parity, education level, occupation, delivery type, weeks of pregnancy, and caesarean indications were recorded. The total number of deliveries in 2022 was 1213, including 1077 cesarean deliveries (88.7%), and 136 vaginal deliveries (11.3%). The results of statistical tests between the vaginal and caesarean delivery groups showed a significance differences in parity (p value = 0.034) and education (p value = 0.046). There were no differences in the characteristics of maternal age, occupation, gestational age and pregnancy complications (p value > 0.05).

A Study to Assess the Prevalence of Dementia Among General Public in a Selected Community of Delhi with a View to Develop an Information Booklet

Akshita Suyal

Nursing, St Stephens Hospital College of Nursing, Philippines

Abstract:

This was a descriptive study to assess the prevalence of dementia among general public in a selected community of Delhi, to determine the prevalence and to develop and disseminate an information booklet with selected demographic variables. The subjects were quizzed using a standardized questionnaire to accomplish the stated objectives in the study. After obtaining the ethical permissions and a successful pilot study, data collection for the main study was conducted over 4 weeks among general public aged above 50 years in community spread across Najafgarh area of Delhi. Convenience sampling method was used. A total of 400 community peoples were selected for the study using convenient sampling technique. A standardized tool was used as the data collection tool and data analysis was done using descriptive statistics. The results confirmed that 57.5% of the subjects had mild cognitive impairment compared to only 14.75% reporting normal cognition. 27.75% of the subjects had severe cognitive impairment.

AI Model for Improving Pregnancy Outcomes and Preventing Adverse Events

Rasha Salman Hatem Al-Joboree

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Abstract:

Adverse pregnancy outcomes, including small-for-gestational-age (SGA), pre-eclampsia, preterm birth, gestational diabetes, and stillbirth, remain major contributors to maternal and neonatal morbidity and mortality. Current detection methods, often reliant on conventional risk assessments and serial ultrasounds, are limited by low sensitivity, high false positive rates, and significant variability in clinical practice. This contributes to missed opportunities for timely intervention and increases both patient anxiety and healthcare burden.

This project introduces a clinically driven, data-rich Artificial Intelligence (AI) model designed to improve pregnancy outcomes by predicting complications early and equitably. The model integrates maternal demographic data, medical history, biochemical markers, imaging results, and social determinants of health to generate personalised risk profiles. Using supervised machine learning techniques, it aims to identify women at high risk for adverse events, supporting clinicians in tailoring antenatal care pathways and empowering women with knowledge to optimise health before and during pregnancy.

The AI model moves beyond traditional centile-based thresholds, applying advanced pattern recognition to enhance predictive accuracy. By addressing challenges in data quality, interoperability, and fairness, it seeks to minimise bias and ensure robust performance across diverse populations. Anticipated benefits include earlier identification of high-risk pregnancies, reduced unnecessary interventions, fewer iatrogenic preterm deliveries, and improved allocation of healthcare resources.

Ultimately, this project demonstrates how AI can transform maternity care from reactive management to proactive, personalised prevention, offering a scalable model that aligns with NHS priorities to reduce stillbirths and improve perinatal outcomes nationally.

