

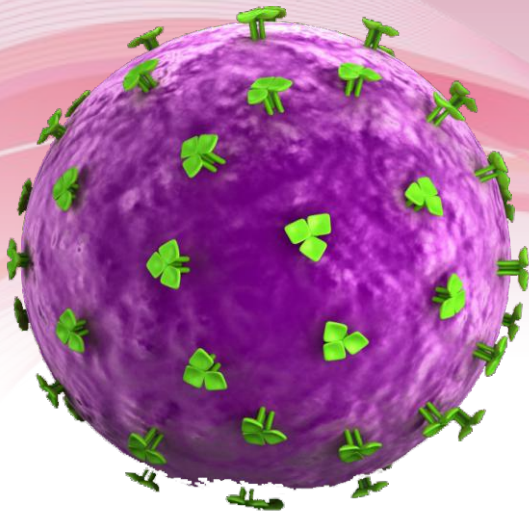


ERA'S

RESEARCH NEWSLETTER

IN COLLABORATION WITH
AMERICAN UNIVERSITY OF BARBADOS(AUB)

VOL -1 NO - 2 2014



Chief Editor's Note : Prof. A.N. Srivastava

The second last issue of Era's Research Newsletter for the year 2014 is in your hands. The initial glitches are being overcome with hope that by 2015 January, this news letter will be more informative and regular.

To aware the colleagues about the achievements, publications and advancements, please exchange informations regularly, so we can include all the informations in the news letter. Your suggestions are always welcome.

From Editor's Desk : Dr. Navbir Pasricha

The main aim of the Era's Educational Trust to provide the best patient care, can occur only when physicians and caregivers are armed with the latest technologies and innovative therapies. Research enables "best" patient care, through improved outcomes that enhance the quality of life. Era's Research Newsletter recognizes the activities of the investigators who are toiling behind the scenes, evaluating new devices, new therapies, or improved processes, all under the careful control and quality assurance of the Research Cell and Institutional Ethical Committee. This news letter is a celebration of the efforts made in the past, leading to fruit now with the positive affirmation in the minds of all at Era, from students to the faculty members that yes, we are at the helm of a new beginning and a bright future beholds us, but the toil and efforts must go on relentlessly. I hope you will enjoy this second issue of our quarterly research newsletter. I welcome your inputs and support and request you to stay tuned as we all track our progress and observe how Era becomes an ever-better

Message from Principal, Dean & CMS Prof. Savitri Thakur

It is very encouraging to see the growing atmosphere of research in the institution, especially amongst young faculty, Post-Graduates and Undergraduates students. Medical research is one of the four pillars of any medical institution and shows the concern, vision and dedication on part of the physician to work towards better understanding of the diseases and discover newer managements. We at Era's Lucknow Medical College and Hospital are committed to provide more &

Global Research News

Nobel Prize In Medicine 2014

The Nobel Prize in Physiology/Medicine 2014 was collectively awarded to John O'Keefe, Mary-Britt Moser and Edvard I. Moser, jointly "for their discoveries of cells that constitute a positioning system in the brain". This year's Nobel Laureates have discovered a positioning system, an "inner Global Positioning System" in the brain that makes it possible to orient ourselves in space, demonstrating a cellular basis for higher cognitive function.

Ebola Virus Genome worked up

Researchers from the Broad Institute and Harvard University have evaluated and analyzed the sequences of more than 99 Ebola virus genomes. This study has revealed more than 300 mutations and alterations in the genome of Ebola virus that has been responsible for the current Ebola virus disease outbreak in West-Africa as compared to the genome of Ebola virus from previous outbreaks. This finding will have far reaching effects in the field of rapid diagnostics (Science,

Nasal Septum Stem Cells for Treatment

Researchers at Department of Biomedicine, University of Basel, have demonstrated that nasal septum cells have the ability to colonize joints due to expression of HOX genes. The nasal septum cells can be used to treat articular cartilage defects in elderly people suffering from a number of degenerative diseases of joints such as arthritis, osteoporosis and osteomalacia. This has been tested on treated patients and the findings have been published in the Journal Science Translational Medicine (Science Translational Medicine, August, 28,

Male Infertility Treatment

Researchers at Queen's University have hit upon a promising method to treat male infertility. They have synthesized an artificial version of the protein that induces embryonic development in human eggs, known as postacrosomal WW binding protein(PAWP). The synthetic protein has been found to mimic the natural mechanism of embryo development triggering. The findings of this study have highlighted the possibility of using PAWP as a predictor of infertility treatment as well as a molecular marker for diagnosis (The FASEB Journal, August 11, 2014).



Nanomedicine

A technique published in Nanomedicine: Nanotechnology, Biology and Medicine, might prove helpful for researchers to undermine possible reasons behind cases of unexplained infertility and develop customised treatments for affected couples. The method involves loading porous silica nanoparticle 'envelopes' with compounds to identify, diagnose or treat the causes of infertility. University of Oxford researchers have successfully tested the method on boar sperm, and are currently working to replicate the findings on human sperm (Nanomedicine : Nanotechnology, Biology and Medicine, November 15, 2013).

Role of Tomatoes in Prostate Cancer Inhibition

A research team working at University of Bristol, Cambridge and Oxford, has reported that men who include relative more portions of tomatoes in their diet have an 18% lower risk of developing prostate cancer. The study was carried out by looking at the diets and lifestyle of 1,806 men with prostate cancer, aged between 50 and 69 as compared to 12,005 cancer-free men (Cancer Epidemiology Biomarkers & Prevention, August 27, 2014).

THC Slows Alzheimer's Disease

A study conducted by neuroscientists at University of South Florida, has revealed that extremely low levels of the compound delta-9-tetrahydrocannabinol (THC) in marijuana, may slow or halt the progression of Alzheimer's disease. THC, a potent antioxidant with neuroprotective properties was also shown to selectively enhance mitochondrial function, which is essential for maintaining a healthy brain. The studies were carried out using a cellular model of Alzheimer's disease (Journal of Alzheimer's Disease, August 27, 2014).

Leukemia Research

Researchers working at Cincinnati Children's Hospital Medical Center have identified a genetic pathway that fuels a high-risk and aggressive form of Acute Myeloid Leukemia (AML) and its precursor disease Myelodysplastic Syndrome (MDS). The work has been carried out on human AML/MDS cells and mouse models of del (5q) AML/MDS. This can provide a possible therapeutic strategy for an essentially untreatable form of blood cancer (Cell Reports, September 4, 2014).

Images of Indo American Meeting for Emergency Medicine Department in Era's Lucknow Medical College & Hospital



Indo American Meeting for Emergency Medicine deptt and collaborative programme were held on 16th Nov, 2014 at Era's Lucknow Medical College & Hospital, Lucknow in Collaboration with Indian Institute of Management, Lucknow and King George's Medical University, American Faculty, and Vice Chancellor (King George's Medical University) were the guests.

Extramural Short Term Studentship Research Projects of Undergraduate Students-2014 (Approved by Indian Council of Medical Research) : COMPLETED

1. Detection of CD133 stem cell markers in oral pre-cancer and oral cancer. Miss Anjali Giri. - Mentor Dr. A. N. Srivastava.
2. Early detection of ovarian cancer through urinary CA 125. Mr. Vedansh. - Mentor Dr. Nirupma Lal.
3. Adenomatous hyperplasia of gall bladder in a carcinoma gall bladder endemic zone: a clinicopathological study. Miss Amber Rana. - Mentor Dr. Parul Gupta.
4. Micro RNA – 21 Over Expression in cases of Oral Leukoplakia and Cancer. Ms. Chandni Jain. - Mentor Dr. Nishi Tondon.
5. Correlation of urinary cytology with tumour invasiveness in patients of urinary bladder cancer. Ms. Aliya Gul. - Mentor Dr. Nooreen Zaidi.
6. Association of ACE gene polymorphism in Type-2 Diabetes mellitus with hypertension among North Indian population. Mr. Paarth Garg. - Mentor Dr. Tasleem Raza.
7. Assessment of oxidative stress in patients of coronary artery disease in and around Lucknow. Ms. Monika Sharma - Mentor Dr. Brijesh Rathore.



Ms. Anjali Giri



Mr. Vedansh Chandra



Ms. Amber Rana



Ms. Chandani Jain



Ms. Aliya Gul



Mr. Paarth Garg



Ms. Monika Sharma



New Intramural Research Projects - Faculty / Sanctioned And Running in the Year-2014

1. Comparative clinical evolution of Efficacy and safety of methotrexate and pioglitazone and their combination therapy in patients with moderate to severe chronic plaque-type psoriasis: A randomized, open labelled, active controlled clinical trial. Dr. Afroz Abidi
2. Association of GRL, GSTP1, TCF7L2 and TLR4 genes polymorphism with type 2 diabetes mellitus and its secondary complications in North Indian Population. Dr. Farzana Mahdi
3. Clinical correlates of hepatitis A viral load by RT-PCR in pediatric age group. Dr. Shrish Bhatnagar
4. Vitamin D and neonatal jaundice. Dr. Geetika Srivastava
5. Serum cystatin C and serum and urinary NGAL as an early diagnostic marker for acute kidney injury in neonatal sepsis. Dr. Garima Verma
6. Prevalence of asymptomatic hypertension and its correlates in adolescents and preadolescents school going children. Dr. Garima Verma
7. Phenotypic detection of carbapenemase and AmpC β -lactamase production in gram negative bacilli isolated from various clinical samples from patients attending tertiary care hospital at Lucknow. Dr. Razia Khatoon
8. Detection of extended spectrum Beta lactamase production by phenotypic methods in gram negative bacilli isolated from various clinical samples from patients attending tertiary care hospital at Lucknow. Dr. Noor Jahan
9. Study of assessment of epicardial adipose tissue and its correlation with components of metabolic syndrome in patients with hypothyroidism. Dr. Ritu Karoli
10. Combined study of AgNOR pleomorphic counts and HPV positivity in low grade squamous intraepithelial lesions of cervix to discriminate high risk cases in difficult to follow up rural women. Dr. J. S. Misra
11. Clinicopathological correlation between leukoplakia and human papilloma virus: A pilot study. Dr. Anuja Bhargava
12. To study the effects of number of mastication and duration on secretory, digestive, absorptive and motility functions of intestine in human beings. Mr. Mohsin Ali Khan
13. Study of insulin resistance and endothelial dysfunction in patients having previous history of preeclampsia and eclampsia. Dr. Jalees Fatma
14. Impact of smokeless tobacco on microalbuminuria and urinary albumin creatinin ratio in non-diabetic normotensive tobacco chewers. Dr. Zeba Siddiqui
15. Genotoxicity studies, HPV positivity and AgNOR pleomorphic count in low grade squamous intraepithelial lesions of cervix and cervical cancer: A risk stratification study. Dr. A. N. Srivastava
16. Evaluation of Anticancer Activity and Growth Inhibitory Potential of Withania somnifera, Tinospora cordifolia and Curcuma longa on Human Breast Cancer Cells. Dr. A. N. Srivastava

Department of Biotechnology PROJECT approved for Era's Lucknow Medical College & Hospital

Co-relative significance of inflammatory pathway gene polymorphisms-interleukin-1- α , 1 β (-511c/t and +3953c/t), 6 (174a/g) and 10 (-1082 a/g and -819c/t), with interleukin serum levels and intensity of angiogenesis in the progression of Human Papilloma Virus positive cervical Cancer : Dr. Shipra Kunwar

Conferences / Workshops held in Era's Lucknow Medical College & Hospital

1. Psychiatry conference
2. A Cadaveric Pelvi-Acetabular Workshop and CME was conducted in collaboration with Deptt of Anatomy under the aegis of UP Orthopaedic Association from 20th-21st September 2014

Faculty news

1. Dr. Eti Sthapak, Assistant Prof Anatomy presented an oral research paper with travel grant in The 114th Annual Conference of Japan Surgical Society held in Kyoto, Japan from 3rd-5th April, 2014
2. Dr. Eti Sthapak presented a poster at Sri Lanka in the College of Surgeons of Sri Lanka Annual Academic Session 2014 from 21st -23rd August 2014 at The Cinnamon Grand, Colombo, Sri Lanka.
3. Dr. Siddharth Chandel cleared certification exam for Advance Trauma Life Support System conducted in Ram Manohar Lohia Hospital, New Delhi.

Publications in International Journals by Faculty of Era's Lucknow Medical College & Hospital

Era's Lucknow Medical College has published 108 national and 131 international Research Publications during 2014.

Era's Journal of Medical Research (EJMR)

Era's Journal of Medical Research (EJMR) is a registered with NISCAIR (National Institute of Science Communication and Information Resources), India and is being published from Era's Lucknow Medical College & Hospital, Lucknow, Uttar Pradesh, India in collaboration with American University of Barbados, bi-annual, print and on-line versions. It is a free access peer reviewed journal, and do not charge any processing fee. Original research papers, review articles, case reports, letter-to-editor and book reviews will remain regular features of the journal.



official website : www.ejmr.org

News from Era's Lucknow Medical College & Hospital

1. Era's Lucknow Medical College & Hospital has been recognized for Ph.D courses by Uttar Pradesh Technical University.

Ms. Zainab Siddiqui and Ms. Naseem Fatima are the first candidates from Pathology Deptt. Registered under Dr. A.N. Srivastava as Chief Guide.

2. Era's Lucknow Medical College and Hospital was represented at Sanjay Gandhi Post Graduate Institute. Bioethics Workshop by Director Research Prof A.N Srivastava and Joint Secretary Dr Navbir Pasricha, where the Joint Secretary read the report of working of Ethics Committee, which was very well acclaimed by the audience, considering the fact that it is a private unaided organization and the large volume of research projects being handled by the ethics committee

3. Institutional Ethics Committee meetings were held on 30th June 2014 and again on 19th September 2014 where 14 and 15 projects respectively (both intramural and extramural) were put up for approval by the committee. The next Ethics committee meeting will be held on 30th of January 2015, so kindly send your Intra mural projects for rapid approval well in time, before the meeting.

4. A unit of Endocrinology and Nutrition has been set up in the institution, which will have outdoor on Monday - Friday. In-Charge of the unit is Prof. Kabeer Ahmad (Head, Department of Pediatrics).

5. Conference and workshop training on National Symposium on Clinical Research, Good Clinical Practice, Pharmacovigilance, Newer Issues in Ethics, Regulatory Requirements in New Drug Applications and Clinical Trials was held at Central Drug Research Institute - 3rd to 4th Dec 2014. Participants were Dr. Farzana Mahdi, Dr. Savitri Thakur, Dr. A. N. Srivastava, Dr. H. P Gupta, Dr. Ali Ahmad, Dr. Shipra Kunwar, Dr. Sharique Ahmad, Dr. Navbir Pasricha and Dr. Brijesh Rathore.

Guest Lectures Held in Era's Lucknow Medical College

Guest lecture on Nano Technology Targeted Drug Delivery In Medicine was delivered on 18th December 2014 by Prof. O.N. Srivastava and his colleague Dr. Mahe Talat in LT-4, Era's Lucknow Medical College & Hospital, Lucknow.

"Lead Toxicity in Developing Countries" by Prof. Venktash Banglore, on 15th Decmber, 2014

Effect of modern medicine on Epigenetics by Prof. R.S. Dwivedi, Washington University U.S.A. on 17th December 2014

Upcoming conferences/seminars/ workshops

- 16th Annual conference of Indian Society of Neuro Anaesthesiology and Critical care 2015, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow.
- Hands on workshop of Interphase Fluorescence in Situ Hybridization. Christian Medical College Vellore, India. 04.02.15 to 06.02.2015.

Forth Coming In Era's Lucknow Medical College & Hospital

ONCO-2

National Conference on Advances in Cancer Diagnosis And Research

9th - 11th Feb, 2015



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UTTAR PRADESH, INDIA

Editorial Board Additions

Two Under graduate students and four Post graduate students are being included in the editorial board for one year to make representation of students.

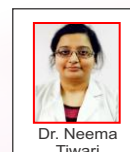
Post graduate students are : Dr. Sukhpreet Singh, Dr. Sana Islahi, Dr. Neema Tiwari and Dr. Supriya Mehrotra and Under graduate students are : Ms. Anjali Giri and Ms. Chandani Jain and two medical students of **American University of Barbados** : Mr. Shahzail Quershii and Ms. Alyssa Lonno.



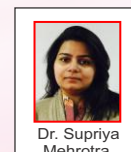
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Dr. Sana
Islahi



Dr. Neema
Tiwari



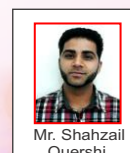
Dr. Supriya
Mehrotra



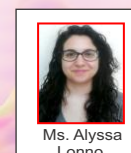
Ms. Anjali
Giri



Ms. Chandani
Jain



Mr. Shahzail
Quershii



Ms. Alyssa
Lonno

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