

To,
The Director,
ICMR
New Delhi

Subject: Report of International Young Researcher Fellow

Dear Sir,

I did research on hemodynamic monitoring in postoperative cardiac cases in ICU. The research was focused on measuring mean systemic filling pressures, cardiac output, cardiac index, systemic vascular resistance and heart efficiency in post operative cardiac patients. The readings were recorded with administration of any bolus of crystalloid, colloid or blood to the patient and also the changes in these parameters with inotropes or vasodilators.

I have learnt the protocols of research and methods of statistical analysis. I also attended the classes, tutorials and case presentations in ICU and trauma centre in Liverpool Hospital.

I attended the rounds in ICU, which focused on patient management on every day basis. There is emphasis on protocolized and evidence based management of ICU patients. There are checklists before major procedures.

I learnt the use of latest equipments like nasal highflow CPAP, RhoCAM, Navigator, cerebral oximetry, ECMO, ICU Dialysis machine, nasal pulse oximeter and tracheostomy mask. We had radiology rounds in ICU, which highlighted reading chest X-rays, MRI/CT of brain/spine/abdomen. There were rounds by microbiology consultants, who focused on judicious use of Antibiotics for control of infections in ICU.

Thanking you,

Regards,



Dr Kapil Gupta

Asst. Professor,

Anesthesia & ICU,

VMMC & Safdarjung Hospital, New Delhi

REPORT

Report on participation of the ICMR International Fellow (ICMR-IF) in Training/Research abroad.

1. Name and designation of ICMR- IF : Dr KAPIL GUPTA
2. Address : DEPARTMENT OF ANESTHESIA & INTENSIVE CARE V.M.M.C. & SAFDARJUNG HOSPITAL, NEW DELHI 110029
3. Frontline area of research in which training/research was carried out : INTENSIVE CARE HEMODYNAMIC MONITORING & CLINICAL MANAGEMENT OF PATIENTS IN ICU
4. Name & address of Professor and host institute : Dr ANDRES ANEMAN, STAFFSPECIALIST, ICU, HOSPITAL MEDICAL DIRECTOR, LIVERPOOL HOSPITAL, LIVERPOOL NSW-2170, AUSTRALIA
5. Duration of fellowship : 3 MONTHS
6. Highlights of work conducted :
 - i) Technique/expertise acquired : INTENSIVE CARE MANAGEMENT OF PATIENTS IN ICU
 - ii) Research results, including any papers prepared/submitted for publication : DATA OF RESEARCH BEING ANALYSED STATISTICALLY
 - iii) Proposed utilization of the experience in India : WILL UTILIZE THE ICU TRAINING FOR UPGRADATION OF OUR ICU & MANAGEMENT OF CRITICALLY ILL PATIENTS

Kapil Gupta

Signature of ICMR-IF

ICMR Sanction No.