

Report of Internship Orientation Programme of CIMS, Bilaspur, Chhattisgarh

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Abstract

A five day orientation programme was held at the in the Pharmacology Lecture Hall, CIMS and organized by the Medical education unit, CIMS. The program have attended by 98 interns Chhattisgarh Institute of Medical Sciences, Bilaspur, during 02/04/2018 to 06/04/2018 for all students who passed their final professional MBBS examinations in march 2018. New graduates were invited to attend the programme. The faculty for the programme included heads of various departments and administrators, who apprised the interns about the expectations from them and their responsibilities. The faculty also helped to clear any doubts or misconceptions. The programme included interactive lectures, structured panel discussions. Adult learning principles were used to involve the interns in a highly interactive process in a non-threatening environment. Evaluation of the programme was done using a feedback questionnaire, an interactive session between the interns and the coordinating faculty, and a pre- and post-test evaluation. The questionnaire involved subjective assessment of the quality of the programme, the faculty and time management, and invited the interns to suggest ways of improving the programme and making it more target-oriented. A qualitative assessment was done by the faculty members involved and the interns were encouraged to express their opinions in an informal environment. The pre- and post-test evaluation consisted of 30 questions that tested theoretical knowledge and clinical problem-solving skills. The questions were derived from the content covered during the programme. Issues such as blood transfusion and medico-legal and ethical concerns were included.

Keywords: CIMS=Chhattisgarh Institute of Medical Sciences.

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Introduction

After four-and-a-half years of undergraduate training, newly graduated students undergo 1-year internship, in which they rotate through various

departments and receive hands-on training. The degree of Bachelor of Medicine and Bachelor of Surgery (MBBS) is awarded and a doctor is registered with the Medical Council of India (MCI) after completion of the compulsory rotating internship [1]. Internship is a phase of training in which a new graduate is expected to acquire skills under supervision so that she/he may be able to work independently. It provides an opportunity to learn some aspects of (medical and surgical) clinical skills for future professional work.

At the end of internship, a doctor is expected to diagnose common clinical conditions and make timely decisions for referral; use discreetly the essential drugs, infusions, blood or its substitutes and laboratory services; and manage all types of emergencies by rendering first-level care. She/he is expected to have the skills to monitor national health programmes and schemes, and provide preventive and promotive healthcare services to the community. During this period, an intern is also expected to develop qualities to function effectively as a leader of the healthcare team to deliver health and family welfare services in the existing socioeconomic, political and cultural environment, render services to the chronically sick and disabled, and communicate effectively with the patient and community.

Often, interns remain unaware of what is expected of them during this period and work without a clear aim. We have observed that in the past few years, interns spend their time preparing for postgraduate entrance examinations at the expense of ward work and acquisition of clinical skills [2].

Also, the largely hospital-based training probably makes interns insensitive to the needs of society and possibly contributes to brain drain. Medical graduates perhaps find themselves more at home abroad, a feeling which hampers the realization of the objectives stipulated by the MCI. The present undergraduate curriculum has no place for the teaching of effective communication skills for interaction with patients. Nor does it touch upon the ethical and legal issues involved in patient care, standard universal precautions and biomedical waste management. Further, many interns have voiced their apprehension in writing prescriptions, filling requisition slips for diagnostic and therapeutic purposes, and writing discharge summaries and patient progress notes.

To familiarize new interns with their tasks in wards and their role in the community, we conducted an orientation programme before they started their internship. The objectives were to enable the interns to

- i. Appreciate the need for developing good communication skills for better doctor-patient interactions
- ii. Assess the psychosocial needs of patients while providing patient care
- iii. Identify the ethical and medico-legal issues involved in patient care
- iv. Enhance their written communication skills
- v. Appreciate the principles of rational drug therapy
- vi. Familiarize themselves with universal precautions and biomedical waste management
- vii. Develop and refine the skills of writing requisitions for investigations and collection and transport of samples for effective use of laboratory services.
- viii. Identify their role in a multidisciplinary team
- ix. Develop a sense of belonging, responsibility and accountability

Programme Activity

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The faculty for the programme included heads of various departments and administrators, who apprised the interns about the expectations from them and their responsibilities. The faculty also helped to clear any doubts or misconceptions. The programme included interactive lectures, structured panel discussions.

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A qualitative assessment was done by the faculty members involved and the interns were encouraged to express their opinions in an informal environment. The pre- and post-test evaluation consisted of 30 questions that tested theoretical knowledge and clinical problem-solving skills. The questions were derived from the content covered during the programme. Issues such as blood transfusion and medico-legal and ethical concerns were included.

The Programme started with *Dr. Ramesh Murthy* in charge Dean, Medical Superintendent CIMS, welcoming the interns and appraising them of their responsibilities and code of conduct.

He emphasized the importance of developing skills and how are your behavior with interaction with patients. If patients are not behave properly you should cool, co-operate and suggest what will do also informed them regarding assessment of skills at end of each specialty posting during the internship.

- This was followed by **Dr. B.P. Singh** (Project Co-coordinator, Professor & Head, Department of Pathology, told that overall view of interns orientation programme what will you all learn by different 17 experts faculty from different respective department from our esteemed Chhattisgarh Institute of Medical Sciences (CIMS), Bilaspur,CG.
- After that first of all in continuation, **Dr. Sachin Pandey** (Assistant Professor, Department of Community Medicine) delivered lecture on "Statistics of CIMS".

He told that what is current status of OPD, IPD, data from January to December 2017 . He told that also current status of birth rate, death rate, Infant Mortality Rate, Bed Occupancy Rate etc in passed year.

- **Dr. S.N. Gole** (Assistant Professor & Head, Department of Forensic Medicine) spoke the duties of interns while handling a Medico Legal aspect. He also emphasized Medical Negligence and a few laws related to it.

Centre for Ethics, emphasized the importance and relevance of Hippocratic Oath. She also made the fresh interns aware of Professional conduct and Medical Ethics.

Dr Prabhat shrivastav ART in charge provided information regarding PEP and Brief review of ART and HRB

- *Dr. Rashmi Gupta*, Associate Professor, Department of Pathology explained the what

should we do on during pathology investigation.

- *Dr. Prashant Nigam* (Assistant Professor, Department of Biochemistry) told that how do we biochemical investigate and analyze
- *Dr. Ruchi Verma* I/C of Blood Bank spoke on also optimal use of laboratory services and blood collection
- *Dr. Vivek Sharma* (Assistant Professor, Department of Community Medicine) has told how do you prevent yourself from those patient who are suffering from Rabies, Communicable diseases and Non Communicable Diseases . They also told ICD 10 module, IDSP programme etc
- **Dr. Sagarika Pradhan**, Assistant Professor, Department of Microbiology, briefly spoke regarding Microscopic investigation, hospital policies on Bio waste management and infection control also optimal use of laboratory services and blood collection
- **Dr. Nazia Ansari**, Assistant Professor, Department of General Medicine, spoke regarding standard precaution and Post exposure prophylaxis.
- **Dr. Presanjeet Raut** (Professor & Head, Department of Pharmacology) told how we classify drugs . How we conduct Clinical trial on drugs to check efficacy and efficiency by our laboratory
- **Dr. Pankaj Tembhurnikar** (Professor Medicine CIMS, Bilaspur) provide information regarding Ideal prescription writing.
- **Dr. Madhumita Murthy**, Professor and HOD, Department of Anesthesia, highlighted the importance of CPR during surgery.
- **Dr. Sujeet Naik** Professor and HOD, Department of psychiatry had given information regarding doctor patient relationship.
- **Dr. Deepak Tandon**, Assistant Professor, Department of Pediatrics discussed the ways of performing Neonatal Resuscitation.
- **Dr. O P Raj** Assistant Professor, Department of General Surgery, told the interns regarding OT etiquettes. They were taught the correct hand washing and scrubbing techniques using videos.
- As per direction of Project coordinator Professor & Head **Dr. B. P. Singh**. the Department of Community Medicine conducted a research on impact on interns orientation programme . Before start programme we have pre assessed level of knowledge of interns after the programme we have post assessed level of knowledge of interns

- The Result are as given as follow:

Scores	Pre assessment	Post Assessment
<15 Marks	09(17.3%)	03(5.76%)
15 -24 Marks	43(82.6%)	49(94.2%)
>=25 Marks	0(0%)	0(0%)
Total	52(100%)	52(100%)

By Chi square test (X^2)_{calculated} =6.89 > Chi square Test (X^2)_{tabulated} =3.84

Total 52 interns were appeared in this programme. In the programme we have started with pre questionnaire assessment before orientation .After orientation, we have also assessed with post questionnaire assessment .

The status are given below

At .05 Level of Significance. We have found that, It means that the difference is statistically significant .

If we look that scores of interns were improved after orientation programme as in preassessment 09(17.3%) interns were having less than 15 marks but after orientation only 03(5.8%) interns were having less than 15 marks.

Another category if we look 43(82.6%) interns were having 43 in range between 15- 25 Marks. But After orientation programme 49 (94.2%) interns were having in range between 15- 25 Marks . By Chi square test (X^2), which is statistically significant ($p < .05$) .

- The last session of the day was on RNTCP guidelines by Dr. Puneet Bharadwai Professor & Head of Pulmonary Tuberculosis department as well as President of Medical Education Unit.
- At the end, Another project coordinator, Dr. Lakhan Singh Professor & Head, Department of Medicine and given to thanks to Dean ,subject experts those have given valuable taught and for spent time for smoothly for conducted programme. and given special thanks to interns for presence and patience.

Recommendation

After the result, it is clear that the significant difference in level of knowledge in Interns.

Therefore, This type of programme must be follow on that students those who have just passed MBBS and entered in Interns.

Dr. Ramnesh Murthy

Incharge DEAN
Medical superintendent
CIMS Bilaspur

Dr. B.P. Singh

Project Coordinator
Medical Teacher Association
(Secretary), Professor & Head
Pathology ,CIMS

Dr. Lakhan Singh

Project Coordinator
Professor & Head
Medicine,CIMS

Under Supervision by Project Coordinators have appointed three Members as given as follows.

1. Dr. Sachin Pandey

Assistant Professor
Deptt of Community Medicine
CIMS, Bilaspur,CG

2. Dr. Vivek Sharma

Assistant Professor
Deptt of Community Medicine
CIMS, Bilaspur,CG

3. Dr. Prashant Nigam

Assistant Professor
Deppt of Bio chemistry
CIMS, Bilaspur,CG



Picture 1: Dr Rashmi Gupta (Associate Professor, Department of Pathology) delivered Lecture



Picture 2: Audience of Pharma Lecture Hall



Picture 3: Dr. Ruchi Verma (Assistant Professor, Department of Pathology) delivered lecture



Picture 4: Dr Sagarika Pradhan (Assistant Professor, Department of Microbiology) Delivered Lecture



Picture 5: Dr Nazia Ansari (Assistant Professor, Department of Medicine) delivered lecture



Picture 6: Dr. Presentjit Raut (Professor & Head, Department of Pharmacology) delivered Lecture