



**NATIONAL HEALTH
LABORATORY SERVICE**

NATIONAL INSTITUTE FOR OCCUPATIONAL HEALTH



**A Pre-Conference Workshop on
TRAINING OF PRIMARY HEALTH CARE (PHC) NURSES IN FUNDAMENTALS IN
OCCUPATIONAL HEALTH**

**Venue:
Department of Community Medicine, Maulana Azad Medical College
New Delhi, India
24-25 September 2014
of**

**2nd International Conference on Occupational and Environmental Health (ICOEH
2014), 26-28 September 2014 at NDMC Convention Centre, Parliament Street, New
Delhi.**

1. Background

Occupational health is a discipline of medicine that virtually cuts across every speciality. Certain occupational medicine activities are fundamental to every consultation and need not be time consuming but can contribute to timeous identification of potential problems and referral for proper management, prevention of further deterioration, compensation and/or rehabilitation of an employee/patient.

There is currently a shortage of occupational health nursing practitioners in India and in addition not all employers have on site occupational health services. Where an employee develops ill health that is occupational in causation the client may consult a health care worker at a primary health clinic. Primary Health Care (PHC) nurses are not taught the basics of occupational health in their training and are thus not skilled in the identification of an occupational disease. PHC nurses who complete this course will be better equipped to identify and manage occupational ill health. The financial burden of this ill health will then be referred back to the employer and not fall to the state as is often the case. Through the early detection of disease the morbidity associated with occupational disease can also be reduced thereby decreasing the disease burden in our country.

2. Purpose of the training

Purpose of the training is to equip PHC nurses with the knowledge and skill necessary to take an appropriate occupational history and refer suspected occupational disease cases to the next level of referral. Their role is to have a high index of suspicion for work-related problems and knowledge of referral systems that exist within the system

3. Objectives of the training

- Provide the learner with the knowledge, skills and attitudes required to identify occupational disease in the community in an ethical and professional manner.
- Demonstrate an understanding of the dynamics involved in occupational health service delivery.
- Provide the learner with a basic understanding of the legal framework of occupational health within the health legislative framework. Provide the learner with knowledge, skills and attitudes to take a comprehensive occupational history and refer suspected occupational disease cases to the next level of referral.

4.0 Learning Outcomes

At the end of the course the learners will have an understanding of:

- Occupational Health and Safety (OHS) systems, and legal framework governing the OHS in India
- The statistics of occupational health in India
- What is OHS
- Role of PHC nurses in occupational health
- Understand the discipline of occupational hygiene
- Conduct hazard identification and qualitative risk assessment
- Understand hierarchy of control in occupational hygiene
- Hazards and risks associated to health care workers
- Lung disease, occupational asthma, skin disease in associated to occupational exposures.
- Ergonomics
- Health effects due to exposures chemical and physical hazards
- Noise induces hearing loss
- Taking detailed occupational history
- Understand the referral system

5 Structure of course

The course will be a two days in duration. A combination of theoretical and practical teaching methods will be used. A virtual site visit will be included in the teaching methods.

Programme:

DAY 1 24th September 2014; 09h00 – 18h00		
Lecture No	Time	Topic
	09h00- 09h15	Opening, welcome and introduction
	09h15-09h30	Introduction to the course
	09h30- 09h45	Pre workshop assessment
1	09h45-10h30	Introduction to occupational health – scope, challenges, role players in India
2	10h30-11h00	Introduction to occupational health and disease
	11h00-11h30	TEA
3	11h30-12h15	Overview of the Occupational Health and Safety Acts, legislations, compensation system and resources in occupational health in India
4	12h15-12h45	Role of PHC nurses in Occupational health
5	12h45- 13h15	Introduction to occupational hygiene
	13h15-14h00	LUNCH
6	14h00-14h45	Occupational hazards and risk assessment
7	14h30-15h00	Qualitative risk assessment
8	15h15-15h45	Control measures in occupational hygiene
	15h45 – 16h00	TEA
9	16h00-16h30	Case study: Agricultural setting: Virtual walkthrough
10	16h30-17h00	Virtual walkthrough: Hospital laundry/ Video film on work place
11	17h00- 17h30	Exercise in identifying hazards from virtual walkthrough
12	17h30- 18h00	Occupational Health of HCW
CLOSURE		

DAY 2 25th September 2014; 09h00 – 18h00		
Lecture No.	Time	Topic
	09h00-09h30	Review of day 1
1	09h30-10h15	Occupational lung disease (pneumoconiosis, cancers, COPD)
2A and 2B	10h15-11h00	Occupational lung disease (silicosis, TB, asbestosis)
	11h00-11h30	TEA
3	11h30-12h00	Occupational asthma
4	12h00-12h30	Occupational skin disease
5	12h30-13h00	Occupational exposure to chemicals
6	13h00-13h30	Noise induced hearing loss
	13h30- 14h15	LUNCH
7	14h15 –14h45	Principals of ergonomics and MSD
8	14h45-15h15	Physical hazards in occupational health
	15h15-15h30	TEA
9	15h30- 16h15	Introduction to Occupational history
10	16h15- 16h45	Exercise on taking occupational history
11	16h45- 17h15	Ethics for nurses in occupational health
	17h15 – 17h30	Post course evaluation
	17h30- 17h 45	Course evaluation
	17h45- 18h00	Discussion- Thanks
CLOSURE		

Course Presenter



Ms. Inakshi Naik: Ms Naik works at the National Institute for Occupational Health (NIOH) in Johannesburg, South Africa and is the Head of the Occupational Health and safety (OHS) Training Department since 2012. She retired in 2011 after serving as a Head of the Analytical Services at NIOH for 12 years. She has a Masters degree in Physiology, Diploma in Occupational Health and Diplomas in Medical Technology.

She was actively involved in developing analytical capacity in environmental and biological monitoring in occupational and environmental health in South Africa to service academic institutes and public as well as private sectors of the industries. This was achieved through establishing internationally recognized, ISO Code 15189 accredited laboratories providing analyses in toxic substances namely metals organic compounds including pesticides monitoring.

In her current position she is involved in developing capacity in occupational health through training under and post graduate occupational health professionals within the private and public sectors in South Africa. She develops training materials and conducts courses, workshops and seminars in topics such as fundamentals in occupational hygiene, recognition of occupational exposure related diseases, management of chemicals exposures in the workplace, South African Acts and legislations related to occupational health and safety etc. She has also published in many peer reviewed journals research related to chemical exposures in occupational health.