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Diploma in Pharmacy 2nd Year
Hospital & Clinical Pharmacy
Chapter 11 : Pharmacovigilance

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Chapter 11

Pharmacovigilance

- Pharmacovigilance is made up of Two words one Greek word
- " Pharmcon " = Drug or medical substance , and
- second Latin word " Vigilare " = To keep watch
- According to WHO Pharmacovigilance is defined as " the science and activities relating to the detection, assessment, understanding, and prevention of adverse effect or any other drug related problem".

Aim

- To make the treatment of a patient effective.
- To improve the patient care and safety related with the use of medicine and all medical and Paramedical intervention (The activities done by a non fully qualified doctor to support medical treatment like ultrasound CBC).
- To improve the public health and safety related to use of medicine.
- For early detection of adverse drug reaction.
- For Identification of risk factors.

Scope of Pharmacovigilance

- **Patient Monitoring** : The person has knowledge of pharmacovigilance can provide his services in hospital for monitoring the patients
- **Immunization(vaccination)** : Pharmacovigilance plays an important role in vaccination because there are some certain vaccines which show serious adverse reaction so a person has knowledge of pharmacovigilance , required to monitor and control the adverse reactions
- **Herbal Medicine** : Safety and efficacy of herbal medicine is necessary so pharmacovigilance required in herbal medicine practice
- **Disease Control Public Health Program** : The person has knowledge of pharmacovigilance can take a part in disease control programs to aware the public about safety and proper use of medicine to prevent adverse drug reaction
- **Academy** : A person has pharmacovigilance knowledge can go in academic field

Pharmacovigilance in India

- ◇ In India pharmacovigilance was introduced in 1986 with the formal introduction of adverse drug reaction monitoring system , under the guidance of drug controller
- ◇ At that time there was only 12 main centre and district and primary Health care hospitals were affiliated to these main centres.
- ◇ In 1997 India become a part of WHO program for international drug monitoring
- ◇ On first January 2005 WHO sponsored and World Bank funded and National Pharmacovigilance Program of India, was started .

Overview of Pharmacovigilance

- ⇒ The overall objective as per the National Pharmacovigilance Programme will be:
- ⇒ To monitor safety of the drugs and provide structured inputs for appropriate regulatory interventions
- ⇒ To create awareness about ADR monitoring in India
- ⇒ Regional centres will be the secondary pharmacovigilance centres under the National Pharmacovigilance Programme.
- ⇒ To carry out the functions as envisaged in the “Protocol for the National Pharmacovigilance Programme” a Coordinator will have to be designated who will be in-charge of the pharmacovigilance activities at the designated regional centre.
- ⇒ By accepting to participate in the National Pharmacovigilance Programme all centres explicitly agree that all pharmacovigilance activities at their institutions shall be performed in strict consonance with the National Pharmacovigilance Programme appended here (Coordinators of the centres and heads of the institutions are advised to carefully go through the Protocol prior to joining the programme).

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