



## Clinical Pharmacology

### Editorial

Clinical Pharmacology is inherently a translational discipline underpinned by the basic science of pharmacology, engaged in the experimental and observational study of the disposition and effects of drugs in humans, and committed to the translation of science into evidence-based therapeutics. The main aim of clinical pharmacology is to Generate data for optimum use of drug's and the practice of 'evidence based Medicine'. Medicines contain drugs (the specific chemical substances with pharmacological effects), either alone or in combination, in a formulation mixed with other ingredients. The beneficial effects of medicines must be weighed against potential adverse drug reactions and interactions, often caused by injudicious prescribing decisions and by prescribing errors, and their cost. This population approach may also be applied to describing the progression of disease and the action of drugs to change disease progress. Quantitative models for symptomatic and disease-modifying effects of drugs are valuable not only for describing drugs and diseases but also for identifying criteria to distinguish between types of drug actions, with implications for regulatory decisions and long-term patient care. Major routine duties include information about and monitoring of medication use, consultations in difficult clinical situations, pharmacogenetic counseling, therapeutic drug monitoring, pharmacovigilance, and participation in drug and therapeutics (formulary) committees. There are official experts in clinical pharmacology in Russia responsible for coordinating relevant legislative issues. The traditional approach was

for medically qualified, college-accredited (postgraduate education), hospital-based clinical pharmacologists to confine themselves mainly to a local focus. Today many more opportunities exist for expanding the roles of health professionals who have the clinical pharmacology training. These professionals can influence national and international policy, practice, and education in their field.

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