Research and clinical involvement in critical care and urology by the clinical pharmacist in Hospital Clinic Barcelona

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1 pm, Friday, October 14th,
Lecture Theatre 1 East End 4/5, Panoz Institute, TCD

Providing pharmacotherapy to patients who are critically ill presents unique challenges given the frequent occurrence of multiorgan dysfunction, alterations in pharmacokinetic parameters, and underlying chronic diseases frequently seen in this population. Another area in which the pharmacist role is decisive is at the Nephrology/Urology Clinical Institute (renal and reno-pancreatic transplantation, nephrology, urology, hemodialysis clinic, etc.) Therapeutic drug monitoring (TDM) and immunosuppressive regimens are usually needed in this special population.

Clinical pharmacy services will likely continue to expand in both areas providing a layer of security to the medication use process. Several studies have demonstrated improved care and decreased cost when a pharmacist is added to the health care team.

Research activities: Research is generally related to critically ill patients or patients from the nephro/urology clinical Institute. Basic and translational research is promoted and encouraged, and areas of interest include animal pharmacokinetic (PK) models, population PK/PD modeling and renal replacement techniques.

The critical care pharmacist is also involved in fundamental clinical services include drug information, therapy evaluation and intervention, pharmacokinetic monitoring and development of guidelines. Senior pharmacists are also regularly invited to participate in clinical sessions, courses, etc. organized by other Hospital Departments, such as the Pulmonology Dpt., Infectious Diseases Dpt., Nephrology Dpt., ICUs.