

Review of Clinical Pharmacology and Pharmacokinetics

ΕΠΙΘΕΟΡΕΣΕ ΚΛΙΝΙΚΕΣ ΦΑΡΜΑΚΟΛΟΓΙΑΣ ΚΑΙ ΦΑΡΜΑΚΟΚΙΝΗΤΙΚΕΣ
ΕΠΙΘΕΩΡΗΣΗ ΚΛΙΝΙΚΗΣ ΦΑΡΜΑΚΟΛΟΓΙΑΣ ΚΑΙ ΦΑΡΜΑΚΟΚΙΝΗΤΙΚΗΣ
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Letter from Guest Editor

The progress and contributions of 20th century pharmacology has been immense with over 20 pharmacologists to have received Nobel Prizes. This field of medical studies covers many areas; it is built upon and at the same time incorporates many disciplines such as biochemistry, biology physiology, pathology, anatomy, molecular biology, while the development of new analytical and experimental techniques and instruments has given a new boost in pharmacological research. Yet, although a remarkable progress has been made in developing new drugs and in understanding how they act, the challenges are endless. Integrating a depth of knowledge in many related scientific disciplines, pharmacologists offer a unique perspective to solving drug and chemical related problems which impinge on human health, with ultimate goal the treatment and prevention of major diseases.

The 5th Panhellenic Congress of Pharmacology focuses on four *hot* subjects: Regenerative Pharmacology, Herbal Medicines, Pharmacology of Abuse and Dependence, and Education in Pharmacology.

- *Regenerative Pharmacology* is one of the newest areas in Pharmacology, represents a groundbreaking field of research and has the potential to radically alter the treatment of diseases and disorders.

- *Herbal Medicines* have acquired an important percentage among the drug used; according to WHO 80% of people worldwide rely on herbal medicines for some aspect of their primary health care. This continuously increasing use of plant medicines imposes the need for establishing new regulations.

- *Pharmacology of Abuse and Dependence*, still not a well defined area, presents a lot of challenge for researchers and clinicians.

- *Education in Pharmacology* remains a hot subject in the Medical education, following the knowledge *explosion* of the last decades accompanied by a decreasing reliance on didactic teaching. The crucial question is: how and what should we teach?

We hope that the round table discussions along with the invited lectures, included in this abstract book, will raise new and intriguing ques-

tions that will further stimulate research, and will contribute to new therapeutic approaches and attitudes.

I would like to thank the Editorial Board of *Review of Clinical Pharmacology and Pharmacokinetics* in particular Journal Editors Prof. S.T. Plessas and Dr C.T. Plessas for invitation and for providing the suitable and high-standard forum through which new research findings will become available to the scientific community.

The Guest Editor

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Medical Curricula between Sharpening Universities' Individual Profiles and the Need for Speed: Effects on Pharmacology Teaching in Austria

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In Austria, the law concerning the organisation of universities had been reformed in 2000 with the intention of giving universities more power in self-government and to sharpen the individual profiles of the universities. At the same time, the universities were instructed to reform the medical curriculum that had been in effect up to then. The most important reason for reforming the medical curriculum was felt to be the average length of study which was longer than in most other European countries. Although not explicitly stated in the old curriculum, all new curricula now have the status of diploma studies, despite still awarding the title MD. Based on the new law, all four Austrian medical universities (three state-run universities and one private university) have drawn up their own, independent new curricula, which came into effect in 2002. All four universities use different approaches to integrate pharmacology into their medical curriculum. Despite the common tendency to teach pharmacology in parallel

to other subjects such as pathophysiology, pathology or clinical subjects, the differences between the curricula have made it practically impossible for students to perform their studies at more than one university or indeed in more than one European country. Thus the mobility of students has decreased dramatically. On the other hand, teaching students in related subjects at the same time is also seen as an advantage by students. With respect to teaching and learning techniques, formal lectures have been reduced to a minimum and the larger part of teaching is now done in small group settings. Curricula have originally included the intention to use elements of problem-based and/or self-directed learning. Due to the restriction to only a few PBL units per semester, this has mostly been unsuccessful and in practice has admittedly been discontinued mostly. As the first students now will finish their studies, the curricula will be re-evaluated.

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