

Special Issue

Drugs in Pregnancy and Lactation, 2nd Edition

Message from the Guest Editors

It is well-known that pregnancy induces significant changes in both pharmacokinetics and pharmacodynamics of most drugs with a high intra- and interpatient variability. Unfortunately, data on long-term safety of the prenatal and breastfeeding-exposed infants are still lacking for many drugs. For this reason, most medications do not include labelling information about their use during pregnancy and lactation. Choosing the appropriate drug dose for a pregnant and nursing woman is a difficult balancing act between optimal maternal treatment and minimal risk of harm to the fetuses and/or breastfed infants. Therapeutic drug monitoring may be a useful tool for dose adjustment in this period, and analysis of the umbilical cord/maternal serum drug concentration ratio is the method recommended to assess transplacental transfer. Recognizing pregnant and lactating women as special populations is essential to obtain information about the safety and efficacy of drugs, which is of crucial importance. This Special Issue welcomes the submission of original and review articles.

Guest Editors

Dr. Ivana Kacirova

1. Department of Clinical Pharmacology, Faculty of Medicine, University of Ostrava, Syllabova 19, 703 00 Ostrava, Czech Republic

2. Department of Clinical Pharmacology, Department of Laboratory Medicine, University Hospital Ostrava, 708 52 Ostrava, Czech Republic

Dr. Milan Grundmann

Department of Clinical Pharmacology, Faculty of Medicine, University of Ostrava, Syllabova 19, 703 00 Ostrava, Czech Republic

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

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Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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