**Pharmacometrics in mHealth: the Driving Force for Patient Centered Care**

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**Objectives:** Computerized tools are becoming increasingly important in the field of research and development of new pharmaceuticals as well as in the daily management of every individual patient’s health and disease. These computerization processes promote high efficiency, low cost and less burden on the health system.

**Methods:** A multiple steps operating model was proposed and adopted for a successful pharmacometrics-based mHealth development. It consists of validated scientific knowledge, up-to-date technical options, regulatory concerns, and commercialization avenues.

**Results:** Three mHealth tools in different therapeutic areas and purposes were developed following this process. This consists of a mobile App for psychiatrists to personalize treatment of attention deficit hyperactivity disorder for children, a user-friendly Bayesian software tool for dosage individualization to optimize therapeutic drug monitoring and personalize dosing, and a web-based interface to forecast and manage individual weight changes in term neonates.

**Conclusions:** Pharmacometrics will be pivotal in the transition of health care towards mHealth. This will bring a large benefit to specific patient groups or individuals.