



## **Critical Care Advanced Level Course**

### **Drug handling in critical care: The effect of critical illness on pharmacokinetics and pharmacodynamics**

Session 1 of 4

The UKCPA Critical Advanced Level Course is suitable for post-foundation level pharmacists with more than six months experience in an ICU.

This course is made up of four 2-hour virtual sessions, each requiring delegates to undertake pre-reading, attend the online session/s and complete an assessment. Upon successful completion of each session, delegates will be awarded a certificate of completion.

After this event, participants should be able to:

- Discuss how critical illness can affect pharmacokinetics and pharmacodynamics for a broad range of drugs (from syllabus).
- Describe how the physiochemical properties of medicines can be used to personalise pharmacotherapy in critical illness, taking into account organ dysfunction, illness severity and body weight.
- Apply a conceptual framework for dosing strategies in critically ill, considering patient factors, drug factors and disease factors.