



# ACTIVITY DESCRIPTION FORM (ADF)

Accreditation Council for Pharmacy Education

135 S. LaSalle Street, Suite 4100 Chicago, IL 60603-4810

Phone (312) 664-3575 Fax (312) 664-7008 <http://www.acpe-accredit.org>

**UNIVERSAL ACTIVITY NUMBER (UAN):** 0475-0000-19-036-H05-P

**Provider Name:** European Association of Hospital Pharmacists (EAHP)

Cancel

**Joint Providership(s):** 0000 No Joint Providership (H)

**Activity Type:** Knowledge

**Activity Title:** Medicines Shortages – Causation and Approaches to Improvements

**Learning Objectives:**  
(Pharmacists)

- At the completion of this activity, the participant will be able to:
- know hospital pharmacist's challenges in situations of non-availability of registered products
  - recognise the extent of the global phenomenon
  - participate and provide actively inputs in professional task forces to improve the shortages situation
  - know about attempts to improve the shortages situation (COST Action CA15105 and other attempts)
  - interpret definitions, positions, interests arising from different stakeholders
  - disclose erroneous incentives
  - identify vulnerabilities of the supply chain
  - understand conflicts arising from not being able to fulfil clinical needs as for non-availability of medicines
  - estimate the optimal expected outcome related to a substitute medicine as compared to a medicine initially prescribed
  - recognise and forecast the threats to expected patients' outcomes in case of non-availability of medicines
  - predict risks arising from lack of access to life-saving medicines
  - understand the balance between different outcomes
  - assess points of view of clinicians, hospital directors, governments, industry, and patients
  - reproduce differences in the health care potency in European countries
  - explain the Systems Dynamics approach of foresight
  - introduce a simulation methodology of decision making in a complex network
  - understand the methodology of Systems Dynamics and its suitability to identify systems pitfalls in complex networks
  - derive conclusions from simulation to coping strategies of medicines shortages in the modelled system
  - know further options to bridge supply chain gaps
  - recognise that such actions only translocate the problem but do not resolve the global shortages problem
  - acquire knowledge about first integral resolutions approaches
  - develop further resolution approaches for their own country and hospital
  - reconstruct to philosophy of stockpiling contracts with industry
  - animate responsibility sharing among the stakeholders in the supply chain
  - recognise the particular importance of keeping the flow of life-saving medicines from industry to the patients
  - identify disruption risk and propose preventing measures to assume availability of life-saving medicines
  - assess the successful provision of equal medicines supply throughout Europe from a social point of view
  - use Vensim® for strategic foresight
  - experiment with a supply chain simulation about medicines shortages
  - assess the impact of assumptions used in the simulated model
  - explore what modification are to be expected following changes in decisions taken by stakeholders
  - use the medicines shortages causes mindmap in their own hospital
  - use the medicines shortages coping strategies mindmap in their own country
  - contribute further to a harmonised international approach to find solutions for the steadily worsening flow in the pharmaceutical supply chain

**Activity Length:** 5.6 **Contact Hours Or** 0.56 **CEUs.**

**Target Audience:** Pharmacists

**Home Study Format(s):** Video/Film Recording

Website (Url [https://learning.bmj.com/learning/course-intro/biosimilars%20procurement.html?courseId=10064390&locale=en\\_GB](https://learning.bmj.com/learning/course-intro/biosimilars%20procurement.html?courseId=10064390&locale=en_GB))

**Keyword(s):**



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**Originally Submitted By:** Jennie De Greef  
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