



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): 0864-9999-23-034-H99-P
0864-9999-23-034-L99-P

Provider Name: CPE Consultants, LLC

Cancel

Cosponsor(s): 9999 Joint Providership (H)
9999 Joint Providership (L)

Activity Type: Knowledge

Activity Title: Practical Approaches to Detoxification and Biotransformation Through a Functional Medicine Lens

Learning Objectives:
(Pharmacists)

- At the completion of this activity, the participant will be able to:
1. Define "toxins" and identify sources
 2. Review Phase I, II and III detoxification
 3. Review factors that inhibit and support detoxification
 4. Review how stress affects detoxification
 5. Identify symptoms of stress
 6. Explore ways to reduce stress and find healthy ways to cope
 7. To review and understand common and advanced lab work as it relates to:
 - ? Environmental toxins: chemicals (urine, blood),
 - ? Heavy metal testing (lead, mercury, etc.. Provocation testing covered)
 - ? Endotoxins
 - ? Mycotoxins
 - ? Detox capacity: glutathione, liver testing and the antioxidants, phase I/II nutrients, etc.
 8. Review the interconnection between the gut, immune system, and detoxification pathways
 9. Review strategies to upregulate detoxification capacity with nutrients and herbs
 10. Identify dietary patterns and therapeutic foods that are part of detoxification protocol
 11. Identify the signs, symptoms and lab markers for toxic metals exposure for aluminum, mercury, arsenic, lead and cadmium.
 12. Choose appropriate protocols for the indicated chelation of arsenic, lead, cadmium, and mercury.
 13. Identify lab markers for exposure to organophosphate pesticides at levels that indicate exposure related to symptomatology
 14. Understand the importance of estrogen metabolism
 15. Be able to devise a treatment plan for a pt with an unfavorable estrogen metabolism profile
 16. Learn to apply these principles in the clinical setting in order to assess potential cancer risk in men and women
 17. Gain knowledge on the relevance of estrogen metabolism and detoxification in hormone related cancers in both men and women

Activity Length: 7.5 Contact Hours Or 0.75 CEUs.

Target Audience: Pharmacists

Home Study Format(s): Web-based

Keyword(s): Nutrition
Public Health

Initial Release Date: 05/13/2023

Planned Expiration Date: 05/13/2026

Originally Submitted By: Cheryl Reese

Submission Date: 04/26/2023

Last Modified By: Cheryl Reese



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Modification Date: 04/26/2023

Date	Location	Date Entered	Format	Cosponsor	Listed in P.L.A.N.®	Cancel
05/13/2023	Virtual, OH	04/26/2023	Seminar	Joint Providership		