

Detection, Interpretation and Clinical Significance
Of
Autoantibodies in Systemic Rheumatic Disease

2010 Educational Training Program
presented by
Immuno Concepts N.A. Ltd.
Sacramento, California

Immuno Concepts Autoantibody Workshop

Laboratory methods for detection and identification of antinuclear antibodies (ANA's) are rapidly evolving. The new Microzyme™ arrays along with the availability equipment to automate the testing process are just two examples. This educational program is intended to provide a comprehensive review of the methods, interpretation, and clinical significance of ANA testing. The material presented will emphasize techniques and interpretation and will be of practical use to laboratory technologists, pathologists, clinicians, and rheumatologists. The academic level of the material will be intermediate to advanced, however, those who are new to the field or unfamiliar with newer methods will benefit from the discussions of methods and new technology.

2009 Workshop Outline

- I. Introduction:**
 - A. Review of ANA testing in the laboratory
 - B. Introduction to theories on Autoimmunity
 - C. Introduction to the Systemic Rheumatic diseases

- II. Current and evolving methods for detection of autoantibodies**
 - A. Detection of ANA's
 1. Slide assays
 2. ELISA assays
 3. Other methods including the new Microzyme™ array technique
 - B. Options for automation of ANA testing
 - C. Follow-up testing

- III. The basic ANA screen**
 - A. Screening: review patient samples to determine positive or negative
 - B. Pattern identification: typical and atypical patterns
 - C. Cytoplasmic patterns
 - D. Titering
 - E. Follow-up testing: identification of specific autoantibodies

- IV. Quality control and troubleshooting**
 - A. Quality control for slide, ELISA and immunodiffusion assays
 - B. Proper microscope set-up and alignment
 - C. Common artifacts and problems seen in autoantibody testing

- V. Review of published testing guidelines**
 - A. CLSI, CAP and International Guidelines
 - B. ACR Evidence Based Guidelines for ANA and dsDNA testing

- VI. Review of ANA patterns, autoantigens and case studies by disease group**
- A. Systemic Lupus Erythematosus: dsDNA, Histone, Sm, PCNA, others
 - B. Sjögren's syndrome: SS-A/Ro, SS-B/La
 - C. Scleroderma: Centromere proteins, Fibrillarin, Topoisomerase I, PM/Scl, others
 - D. Myositis: Jo-1, PL-7, PL-12
 - E. Mixed Connective Tissue Disease: U1-RNP
- VII. Review of autoantibodies in other autoimmune diseases**
- A. Antiphospholipid Syndrome (Hughes Syndrome)
 - B. ANCA in Systemic Vasculitis

Immuno Concepts is approved as a provider of continuing educational programs in the clinical laboratory sciences through the ASCLS PACE program.

This program is approved for 5 PACE/CEU hours.

ANA-DNA-ENA Workshop Date and Location:

Wednesday, April 14th 2010

**Holiday Inn at Boxborough Woods
242 Adams Place
Boxborough, MA 01719
(978) 263-8701**

Workshop Schedule

Registration: 8:30 am -9:00 am
Workshop 9:00 am – 4:30 pm
Lunch included 12:00 – 1:00 pm

Reserve your place by calling 800.321.8303, complete the attached registration form.
Return by mail or fax 800.518.4232. E-mail to calqfmd@aol.com. Mailing address:

GFMD, Ltd
Attn: Christine
22650 Heslip Drive
Novi, Michigan 48375

Cost in advance \$55.00 per person or at the door \$65.00.
Payable to GFMD, Ltd.

SEATING IS LIMITED
RESERVE YOUR PLACE EARLY
WE LOOK FORWARD TO SEEING YOU THERE!!

ANA-DNA-ENA WORKSHOP REGISTRATION

Wednesday, April 14th 2010

Holiday Inn at Boxborough Woods
242 Adams Place, Boxborough, MA 01719
(978) 263-8701

Hospital / Lab _____

Address _____

City _____ State _____ Zip _____

Phone # _____ Ex _____

Attendees:

Name: _____ Dept: _____

Name: _____ Dept: _____

Name: _____ Dept: _____

Name: _____ Dept: _____

Fee Enclosed: \$ _____
(Pre-registration fee \$55.00 / at the door \$65.00)

Mailing Address:

GFMD, Ltd
Attn: Christine
22650 Heslip Drive
Novi, Michigan 48375
FAX: (248) 305-6113