Welcome to the
Clinical Chemistry Trainee Council

The Clinical Chemistry Trainee Council serves as a unique program for residents and fellows in laboratory medicine by providing them with free educational materials and interactive tools to help and guide them to a successful career.

Robert H. Christenson
Ann M. Gronowski
Clinical Case Studies Co-Editor
Clinical Chemistry Trainee Council Editor
The Clinical Chemistry Trainee Council

• Goal

To be a primary educational resource for laboratory medicine trainees worldwide
The Clinical Chemistry Trainee Council serves as a unique program for residents and fellows in laboratory medicine by providing them with free educational materials and interactive tools to help and guide them to a successful career.

New This Week

**Podcast**
Accuracy of 6 Routine 25-Hydroxyvitamin D Assays: Influence of Vitamin D Binding Protein Concentration

**Pearls of Laboratory Medicine**
Hemoglobin A1c

**Journal Club**
Inappropriate Requesting of Glycated Hemoglobin (Hb A1c) Is Widespread: Assessment of Prevalence, Impact of National Guidance, and Practice-to-Practice Variability Concentration

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Sponsored by Beckman Coulter Foundation and Department of Laboratory Medicine, Children's Hospital Boston.
Clinical Chemistry Trainee Council

- Broadening the scope
- Pearls of Laboratory Medicine
Pearls of Laboratory Medicine are 5-10 minute presentations about a particular analyte. The peer reviewed content provides a wealth of information and key take-away points.

**Troponin**
Amy K. Saenger, PhD, DABCC
Transcript

**Calcium**
Christopher R. McCudden, PhD, DABCC, NRCC, FACB
Transcript

**Methodology: Immunoassays**
Frederick G. Strathmann, PhD
Transcript

**Thyroglobulin and Thyroglobulin Antibody**
Alicia Algeciras-Schimnich, PhD, DABCC
Transcript

**Allergy**
Melissa R. Snyder, PhD, DABCC
Transcript

**Warfarin Pharmacogenetics**
Linnea M. Baudhuin, PhD, DABMG
Transcript

**Human Chorionic Gonadotropin**
David G. Grenache, PhD, DABCC
Transcript
Clinical Chemistry Trainee Council

• Broadening the scope
  • Pearls of Laboratory Medicine
  • Webcasts
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  - Pearls of Laboratory Medicine
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Question Bank

- Chemistry
- Micro
- Hematology
- Immunology
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  - Council Chat
Reference Laboratory Testing
3/20/2012 3:38 PM | Comments (1) Recommend (10)
By Mark A. Cervinski, Ph.D.
DABCC

I have recently been tasked by departmental leadership with the mission of reducing our burgeoning mail out budget. In recent years, we like many others have seen a tremendous growth in the number of tests that are requested by our clinical partners. This growth in numbers of course has been a...(Read More)

Pleural Effusion in a Patient with Multiple Myeloma
2/28/2012 11:22 AM | Comments (0) Recommend (11)
By Bob Sumner, Editorial Coordinator, Clinical Chemistry

Click here to find the latest Student Discussion Document for April's Clinical Case Study from Jean-Baptiste Oudart, François-Xavier Maquart, Oualid Semoura, Magali Lauer, Patricia Arthuis-Demolin, and Laurent Ramont. Dr. Ramort provided us with two exclusive questions that will not appear in th...(Read More)

A Patient with Prolonged Paralysis
2/1/2012 12:03 PM | Comments (0) Recommend (18)
By Bob Sumner, Editorial Coordinator, Clinical Chemistry

Click here to find the latest Student Discussion Document for March's Clinical Case Study from JoDell E. Whittington, Hoai D. Pham, Melinda Procter, David G. Grenache, and Rong Mao. Dr. Mao provided us with three exclusive questions that will not appear in the published version of the Case. We'd ... (Read More)
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- Broadening the scope
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  - Quo Vadis
Quo Vadis

- This section allows young scientists (40 years of age and younger) the opportunity to express their opinions on the future of laboratory medicine. Each month, future leaders are invited to answer a question in 100 words or less.
**Quo Vadis?**

**QUESTION #1**

*How do you envision the practice of laboratory medicine to be in 25 years?*

Norbert Cibicek, Olomouc, Czech Republic

The future of clinical chemistry will be the world of personalized medicine and reduced preanalytical phase. These trends will lead to the domination of POCT, in situ diagnostics (via miniaturized implantable biosensor technologies, microchips and nanotechnology) as well as –omics, multiplex analyses and flow cytometry. The whole laboratory complement will be integrated online with imaging techniques on one software platform compatible with other electronic personal data systems. This controlled network will involve clinical interpretation of data by sophisticated consultant physician-managed software and will be shared by all entitled medical personnel. The major problem will be national and worldwide standardization.

Bridgit Crews, St. Louis, MO

In 25 years I think advances in technology that enable high throughput multiplexing of hundreds of tests on a single specimen will be applied in the clinical laboratory and automated algorithms will relate genetic risk factors and metabolic phenotype. Electronic report summaries will be a necessary aid for physician interpretation of tests. Reports will likely include calculated disease risks and expected therapeutic responses determined from genetic and metabolic test results.
The Clinical Chemistry Trainee Council

Phase 1, English
(22 Countries)

- United States
- Canada
- United Kingdom
- Ireland
- Finland
- Sweden
- Norway
- Denmark
- Iceland
- The Netherlands
- Belgium
- Germany
- France
- Italy
- Austria
- Switzerland
- Hong Kong
- Singapore
- Australia
- New Zealand
- South Africa
- Israel
Bienvenido al
Clinical Chemistry Trainee Council

*Clinical Chemistry* Trainee Council sirve como un programa único para los residentes y compañeros en la medicina de laboratorio al proveerles con materiales educativos gratuitos y con herramientas interactivas para ayudarles a una carrera exitosa.

### Características Regulares
- Estudios de Caso Clínico
- Club del Diario
- Perlas de la Medicina de Laboratorio
- Podcasts
- Q&A
- Webcasts

### Nuevo esta semana
- **Estudios de Caso Clínico**
  Derrame Pleural en una Paciente con Mieloma Múltiple

- **Mentes Inspiradoras**
  Yuk-Ming Dennis Lo

- **Perlas de la Medicina de Laboratorio**
  Evaluación del recién nacido

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Language: English | español |
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Phase 2 Spanish
Phase 3 Chinese
Phase 4 Russian
Phase 5 Arabic
Phase 6 Japanese
Phase 7 Portuguese
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