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ACBI NEWS BULLETIN

An
Official In-house magazine
for Circulation
among Members

**Association of
Clinical Biochemists of India**

Regd. No. Patna 29/75-6
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All articles in this News Bulletin reflects the
views of the respective authors.



Dear members,

Greeting.

All of you must have received the information about the ACBICON 2010, either thru the Brochure or email. Many of us have not received the brochure. We can but blame the Indian Postal services. But with internet penetrating everywhere, I believe we can access the internet to download all information, especially about the annual conference.

We at Head Office find it difficult to reach all of you. Many have not sent in their email id's or many keep on changing their id's regularly !! This is a request to all members, please send in your current email id to us kpsacbi@yahoo.co.in. We can stay in touch and share many information.

Similarly is the case with the addresses, our letters & News Bulletin keep on coming back undelivered. Do inform us about your change of address.

Do our members read this News Bulletin? I request our esteemed members, please make this News Bulletin a interactive forum. Please contribute your thoughts, problems, case that had you scratching your head to this magazine.

I hope all of you have booked your ticket for Mumbai? Hope to see you all at World Trade centre, Mumbai in December !!

Do keep in touch!

Dr. Rajiv R. Sinha
EDITOR-IN-CHIEF

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ACBI QC FORUM

Over the last 3 decades ACBI through its constant efforts in spreading the message of QC in medical laboratories in India has created significant awareness among lab personnel on QC. ACBI organises QC lectures in the scientific sessions in annual conferences, QC seminars, QC workshops, etc. During these events the ACBI members utilise the opportunity to get clarification on their queries in routine laboratory performance.

As an extension of these activities, ACBI is proud to announce a novel approach to address several issues on laboratory QC on a regular basis through “ACBI QC FORUM”, a special column that will be published in ACBI Newsletter.

We appeal to all ACBI members to feel free to ask questions on various topics such as:

- ▶ Internal Quality Control
- ▶ External Quality Assessment
- ▶ Interpretations
- ▶ Corrective actions
- ▶ Preanalytical errors
- ▶ Analytical and post analytical errors
- ▶ Statistical calculations
- ▶ Six sigma and Sigma metric
- ▶ Equipment validation
- ▶ Method validation
- ▶ Reference materials
- ▶ Calibration
- ▶ Traceability
- ▶ Uncertainty of Measurements
- ▶ Internal audit
- ▶ Accreditation

All members of ACBI are requested to send relevant questions through e-mail to Dr. A.S. Kanagasabapathy. (askanag@gmail.com). The questions will be passed on to experts (both national and international) in the respective areas of specialisation, clarifications will be obtained from them and will be published in ACBI Newsletter under the “ACBI QC FORUM” column along with the names of members who ask the questions as well as the experts who offer clarifications.

Please note that as the space in our Newsletter is limited, only a specific number of questions and answers will be published within the allocated space in each issue of the Newsletter. However, please be assured that all questions and answers will be covered in the subsequent issues.

We appeal to our members to make the best use of this opportunity and make this academic exercise of ACBI a grand success.

Dr Rajiv R. Sinha

Editor-in-chief, ACBI New Bulletin & General Secretary, ACBI



“You can tell whether a man is clever by his answers. You can tell whether a man is wise by his questions.”—Naguib Mahfouz

Diplomate of Indian Board of Clinical Chemistry (DIBCC)

S U M M A R Y

Syllabus for the Course of Diplomate of Indian Board of Clinical Chemistry (DIBCC) under the auspices of Association of Clinical Biochemists of India (ACBI)

The aim of the course is to impart training to graduates, to render them proficient to:

- (a) perform the medical biochemical techniques
- (b) interpret the results of various tests
- (c) supervise the medical biochemistry laboratories
- (d) Identify biochemical diagnostic agents or tests useful in diagnosis and monitoring response to therapy
- (e) Interpret the clinical significance of biochemical lab test results.

NAME OF THE DEGREE

The name of the degree shall be Diplomate of Indian Board of Clinical Chemistry (DIBCC).

The Indian Board of Clinical Chemistry (IBCC) is constituted under the provisions and directions of the Association of Clinical Biochemists of India (ACBI).

The degree will be given under the seal of the Association of Clinical Biochemists of India (ACBI).

In course of time, ACBI should try to get the course affiliated with any national universities of India or abroad, or with an international professional body.

NEED FOR THE COURSE

Although there are lots of Universities and Colleges in India, imparting MSc degrees in Biochemistry, a specialized course in Clinical Biochemistry is still lacking. There are few courses run by selected medical colleges, giving MD degree for MBBS graduates and MSc degree of Medical Biochemistry for Science graduates. However, seats for this course are very limited. A course on Clinical Biochemistry is not available anywhere in India.

BENEFITS

Those who pass the examination will be able to man and supervise the activities of the clinical laboratories.

ELIGIBILITY TO BE ADMITTED TO THE DIPLOMATE COURSE

- (a) Candidates with PhD (with thesis on biochemistry or clinical biochemistry), and having 3 years of experience in a clinical biochemistry lab, after obtaining the degree.
- (b) Candidates with MD (biochemistry), and having 3 years of experience in a clinical biochemistry lab, after obtaining the degree.
- (c) Candidates with MSc (in biochemistry having 2 year course or medical biochemistry having 3 year course), plus 5 years of experience in a clinical biochemistry lab, after obtaining the degree.
- (d) Candidates with MBBS and having 5 years of experience in a clinical biochemistry lab, after obtaining the degree.

Students should be currently employed in clinical biochemistry laboratory at the time of enrollment in the Diplomate course, and should continue to work in a clinical biochemistry lab till the completion of the Diplomate course.

TEACHING FACULTY

Faculty will be drawn from senior professors of Biochemistry preferably working in clinical biochemistry lab in medical colleges or in specialized laboratories. They should have good experience in clinical biochemistry lab. The board (IBCC) will appoint the teachers. Initially, professors who are coming forward will be given the charge of developing different modules, and also conducting the modules at fixed time intervals.

GENERAL CONCEPT OF THE COURSE

The duration of the course shall be minimum 2 years; and maximum 4 years. The total course is divided into 6 modules, each of 4 months duration. Each module is comprised of 5 topics; thus the whole

course will have 30 topics. At the end of each module, there will be an examination on the 5 topics of that module.

The course will be mainly through correspondence. Students will be sent the study material of each topic by email (or CD) every 21 days, and the students will send the answers back. The answers are assessed.

There will be some virtual classes. One professor will take a class on a particular topic at the notified time, so that students can see it.

CONTACT CLASSES

Further, there will be 35 direct contact days (4 contact classes, each of 8-10 days duration, conducted every 6 months). The contact classes will be assigned at specific centres in India. Preferably, contact classes can be taken at 4 regions of India. These are mainly to demonstrate the working of various automated specialized laboratories, and to get hands on experience. At the end of the contact classes, there will be one examination by the professor organizing that particular contact classes.

Moreover, it is compulsory for the student to attend the pre-conference professional course, pre-conference workshops and regular conference sessions during the annual conferences of the ACBI; this will give further 5 days x 2 years = 10 days.

Attendance is compulsory. These students will be preferentially selected for preconference workshops. Thus there will be a grand total of 35 + 10 = 45 contact days during the 2 year course.

In short, there will be 30 theory (correspondence) topics, and 45 contact days (including ACBI conferences) during the 2 years.

DISSERTATION

Dissertation work can be carried out by the student either at his own laboratory, or at a national laboratory. The dissertation will be evaluated before the final examination.

Instead of dissertation, the student can take up his own research and publish. One publication in a standard peer-reviewed journal will be equivalent to the dissertation.

Candidates having PhD or MD qualifications are exempted from dissertation, because they are already familiar with the research methodology.

CARRY OVER SYSTEM

A student is supposed to pass all the 5 topics at the modular examination. The candidates can move to the second and third semesters of the course, irrespective of whether they cleared the exams of the previous modules. However, before entering to the fourth module, all three previous module examinations should have been cleared. In other words, only by completing all the first 15 topics he / she can enroll in the 4th module. Then from the 4th module onwards such carry over system is allowed till the completion of the whole course. The total course duration should not be more than 4 years.

EXAMINATION SYSTEM

Marks are assigned as follows:

- End topic examination : 30 topics x 4 marks = 120 marks
- Contact, 35 days, 4 contacts (4 x 25 marks) = 100
- Attending 2 annual conferences = 10 days (2 x 15 m) = 30
- Module examinations (6 modules x 125 marks) = 750
- **Total = 1000**

For a pass, the student should get a minimum of 80% in the total 1000 marks, plus 80% attendance (in contact classes and ACBI conferences).

SUMMARY OF SYLLABUS (30 CORRESPONDENCE COURSES + CONTACT COURSES)

Module 1

- **Topic 1.** Biomolecules
- **Topic 2.** Lab instruments
- **Topic 3.** Enzymes
- **Topic 4.** Diagnostic enzymology, including markers
- **Topic 5.** Metabolism of amino acids and proteins

Module 2

- **Topic 6.** Estimation of proteins, electrophoresis
- **Topic 7.** Metabolism of carbohydrates, TCA cycle
- **Topic 8.** Carbohydrates continued
- **Topic 9.** Liver Function Tests
- **Topic 10.** Kidney function tests

Module 3

- **Topic 11.** Hb metabolism
- **Topic 12.** Metabolism of lipids
- **Topic 13.** Cholesterol, lipid profile
- **Topic 14.** pH, acid base balance, Electrolyte balance
- **Topic 15.** Pharmacology, Toxicology, Therapeutic Drug Monitoring

Module 4

- **Topic 16.** Endocrinology
- **Topic 17.** RIA, ELISA, hormone estimations
- **Topic 18.** Vitamins, minerals, nutrition
- **Topic 19.** Statistics
- **Topic 20.** Quality control in laboratory practice

Module 5

- **Topic 21.** DNA, RNA, protein biosynthesis
- **Topic 22.** Molecular biology techniques
- **Topic 23.** Mutation, cell cycle
- **Topic 24.** Advanced molecular biology techniques
- **Topic 25.** Blood and blood components

Module 6

- **Topic 26.** Immunology
- **Topic 27.** Immunology continued
- **Topic 28.** Clinical pathology, Microbiology and serology
- **Topic 29.** Clinical Research
- **Topic 30.** Research Methodology

Details will be available on ACBI Website (www.acbindia.org)

Each topic will have

1. Objectives
2. Detailed text
3. Questions
4. Assignments at the end of each topic. Student should submit it in a time bound fashion, on line, and should be a pre-requisite for appearing before the Module examination.

Contact Programme

It is mandatory for completion of the course.

Attendance is compulsory for all days of contacts assigned

Evaluation is done at the end of the programme

CALL TO SENIOR MEMBERS

ACBI is in the process of starting the course on **Diplomate of Indian Board of Clinical Chemistry (DIBCC)** under the guidance of Association of Clinical Biochemists of India (ACBI)

The aim of the course is to impart training to graduates, to render them proficient to:

- (a) perform the medical biochemical techniques
- (b) interpret the results of various tests and to interpret the clinical significance of biochemical lab test results
- (c) supervise the medical biochemistry laboratories
- (d) Identify biochemical diagnostic agents or tests useful in diagnosis and monitoring response to therapy

The total course is divided into 30 topics and 6 modules. It is time for us to prepare the teaching matter for this course. I call upon faculty of Biochemistry preferably working in clinical biochemistry lab in medical colleges or in specialized laboratories. Those who are interested in this important aspect, may send their names to the Dr. D.M. Vasudevan within one month. The teachers are expected to complete the preparation of the course material within next 3 months.

Full syllabus is available on the ACBI website (www.acbindia.org)

Dr. D.M. Vasudevan, Director, Professional Courses

Forthcoming Events



Health Informatics certification

OHIC - a curricular certification course designed of six months duration at Bioinformatics Centre, MGIMS, Sevagram in collaboration with Mascon Global Limited (MGL), Gurgaon to deliver basic concepts in Health Informatics in the form of online training. This course is concerned with the core concepts on which much of the specialized IT functions of the healthcare sectors are based.

Syllabus: Introduction to Health Informatics.
 Knowledge Management in Health Informatics.
 Integrating Technology into Healthcare Delivery.
 Imaging, Pharmaceutical and Laboratory Informatics
 Nursing, Public Health and Consumer Health Informatics Electronic Medical Records

Eligibility: Healthcare Professionals & Paramedical Personnel with graduate qualification

Duration: 6 months

Sessions: July, October, January, April

Last Date of Admission: 15th of June, 15th of September, 15th of December or 15th of March for July, October, January, April sessions respectively.

For more information, please contact:

The Coordinator, Bioinformatics Centre
JB Tropical Disease Research Centre, Mahatma Gandhi Institute of Medical Sciences
Sevagram (Wardha) 442 102, MS, India

e-mail: ohic.bic@gmail.com, info@jbtidrc.org • Web: www.bicjbtidrc-mgims.in

23rd Annual Conference of Indian Society for Atherosclerosis Research & International Symposium on Atherosclerosis

New Delhi, 13 - 14 November 2010

We are glad to inform you that 23rd Annual Conference of Indian Society for Atherosclerosis Research & International Symposium on Atherosclerosis From Bench to Bedside will be held on 13 and 14 November 2010 at University College of Medical Sciences, Delhi.

For more details visit: <http://www.isarcon2010.in>.

International Symposium on YOGism

AROYADHAM, a centre for Promotion of Positive Health (www.aroyadham-seva.com) at Mahatma Gandhi Institute of Medical Sciences, Sevagram, a place hallowed by the Father of the Nation, is organizing **International Symposium on 'YOGism for Healthy & Happy Living and Aging'** and **C.M.E. on 'Management of Life Style Health Problems of Global Importance through Yoga, Meditation and Naturopathy'** during December 6-7, 2010

YOGism is simple living in harmony with Nature and concern for whole Universe

YOGA way of Living (**YOGism**) harmonizes the body, mind and spirit and connects to the **One ness** of the Universe. In the symposium, an attempt will be made to present YOGism as an Art of Living in Harmony with Nature and concern to the whole Humanity irrespective of one's religious belief. Effort will be made to disseminate the scientific advances in the field of Yoga and Lifestyle Medicine by yoga experts teaching yoga practices including Pranayama, Meditation and Naturopathy.

The deliberations in the symposium and CME are designed to benefit health care practitioners, researchers and in particular modern youth to understand the importance of YOGism for happy and successful living.

For further information please visit at www.aroyadham-seva.com; www.jbt-drc.org

Organizing Secretary

International Symposium on YOGism

e-mail : aroyadham.seva@gmail.com, info@jbt-drc.org

International Symposium on YOGism



International Congress of Clinical Chemistry and Laboratory Medicine

International Congress Centrum, Berlin • 15th-19th May 2011

IMPORTANT NOTICE

UPDATION OF YOUR ADDRESS

We want that all members should actively participate in ACBI activities and be kept informed about various programmes and activities. For this, we require your correct addresses and email ID.

Please check your details on the ACBI website www.acbindia.org and if any correction is needed please immediately email the corrections at kpsacbi@yahoo.co.in or by post send to **Dr. Rajiv R. Sinha**, Biochem-Lab, East Boring Canal Road, Patna-800 001.

Please do not forget to inform about any change of address or contact numbers immediately.

ADVERTISEMENT RATE IN ACBI NEWS BULLETIN

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1. Back Cover (4-colour)	Rs. 20,000	Rs. 35,000
2. Back Inside (4-colour)	Rs. 15,000	Rs. 25,000
3. Front Inside (4-colour)	Rs. 15,000	Rs. 25,000
4. Inside Page (BW) : Full Page	Rs. 8,000	Rs. 12,000
5. Inside Page (BW) : Half Page	Rs. 4,000	Rs. 6,000
6. Full Page Insert (Colour)	Rs. 20,000	Rs. 35,000

- Note:**
1. Corporate Members will get 10 % discount on prevalent rates of Advertisement.
 2. For advertisements on Front inside cover, Back inside cover & Back cover, advertisers will also get added advantage of their advertisement being "hot-linked" to their company website.

PLEASE NOTE

Photo Identity card of ACBI is mandatory for members to attend the Annual Conferences, all meetings and also for exercising their voting rights. All Life, Associate Life and Corporate members are requested to fill up the above form and send it to the above-mentioned address along with a Demand Draft of Rs. 100.00, in favour of "Association of Clinical Biochemists of India" payable at "PATNA". **If you have already sent the same, please ignore this.**

APPLICATION FOR MEMBER'S IDENTITY CARD

PROFORMA (Please type or write in CAPITAL letters)

1. Name Dr/Mr./Mrs./Ms.:
2. Qualification :
3. ACBI Membership Number :(for example 3579/LM/JOUR)
4. Work Place (City) :
5. State :
6. Date of joining the ACBI :

Please affix
a stamp size
recent
photograph.

**(Do not
staple or pin)**

Members are requested to fill-up the form to get their Identity Card. This is essential. Filled up form to be posted to :

Dr Rajiv R Sinha, Secretary, Association of Clinical Biochemists of India
Biochem-Lab, East Boring Canal Road, Patna 800 001 (Bihar)

Notice for ACBI Meetings of 2010

Attention Please! Members of ACBI & ACBI Executive Committee

Please note the dates, timings and Venue of the next EC & GB meetings

Meeting	Date & Time	Venue
Editorial Board of IJCB Meeting & other sub-committees meetings	December 12, 2010 5.00 to 6.00 pm	Department of Biochemistry & Clinical Nutrition, Seth G.S. Medical College & KEM Hospital
Pre GB EC meeting	December 12, 2010 6.00 to 8.00 pm	
General Body Meeting	December 13, 2010 6.30 to 8.00 pm	Centre Point, Centre One, World Trade Centre,
Post GB EC meeting	December 14, 2010 5.00 to 6.00 pm	Will be intimated later on

Dr. Rajiv R Sinha, General Secretary, ACBI

ACBI BENEVOLENT FUND

AN APPEAL

The Executive Council and GB were concerned to know the fact that one of our very senior members is suffering due to lack of money for his treatment and upkeep. For such situation many organizations have created 'Benevolent' fund to assist their members in dire need. We should also have compassion when any of our members are in need of help. Therefore the G.B. has decided to create a Fund to help our needy members and has sanctioned Rs. 50,000 from ACBI account for this fund. The IJCB Board has also decided to contribute Rs. 25,000. Many members have agreed to send money for the fund. Dr. B.C. Harinath has contributed Rs. 16,000 which includes the money he got as recipient of ACBI-A.J. Thakur award for Distinguished Clinical Biochemist. Some have sent Rs. 1,000 / 2,000 /3,000 as their contribution.

I solicit your support and request you to send money for this noble work as much as you like. The money may be sent to the Secretary, Association of clinical Biochemists of India, Biochem-Lab, East Boring Canal Road, Patna - 800001 by bank draft in the name of ACBI Benevolent Fund payable at Patna. It is proposed to publish the names of members who contribute to this fund in News Bulletin. Members can also give cheques during forthcoming ACBICON, to be held at Mumbai.

Dr. D. M. Vasudevan, President

NAMES OF DONORS

1. ACBI, Head Office	Rs. 25,000/-	2. Dr. B.C. Harinath, Wardha	Rs. 16,000/-
3. Dr. S.P. Dandekar, Mumbai	Rs. 1,000/-	4. Dr. Sujata W., Chandigarh	Rs. 1,000/-
5. Dr. K.P. Sinha, Patna	Rs. 1,000/-	6. Dr. B.N. Tiwary, Patna	Rs. 1,000/-
7. Dr. Uday Kumar, Patna	Rs. 1,000/-	8. Dr. Anand Saran, Patna	Rs. 1,000/-
9. Anonymous Donor, Mumbai	Rs. 5,000/-	10. Dr. Rajiv R. Sinha, Patna	Rs. 1,000/-

ACBI Election Notice

Call for Nominations to fill up vacancies in Executive Council of ACBI, 2011

Position	Number of Vacancies	Position	Number of Vacancies
1. Vice President	One	2. Joint Secretary (Headquarters)	One
3. Executive Council Members	Six	4. State Representatives	All the States

Duly filled nominations for the above posts are invited from the eligible members duly proposed and seconded by the Members of the Association. Nominations may please be submitted in the format given below to :

Dr. D. M. Vasudevan, MD, FRC (Path.)
 Distinguished Professor of Biochemistry
 Amrita school of Medicine, Kochi - 682 041, Kerala. India

The Last date for receiving the Nominations: November 15th, 2010
The Last date for withdrawal of Nominations: November 30th, 2010

Dr. Rajiv R. Sinha
 General Secretary, ACBI

NOTE: REQUIRED QUALIFICATIONS FOR VARIOUS POSTS

Secretary, Vice President-II : A candidate for these posts should be a life member of at least 8 years standing and have been regularly attending Annual Conferences of the Association. He/ She should be holding a senior post in his/her work place. He / she has shown aptitude for working for the association by taking up some responsibilities of the Association in the past.

Joint Secretaries and Treasurer should be a Life member of at least 5 years duration and should have attended at least 3 Annual Conferences in the last 4 years.

Six Elected Council Members: should be a Life Member and who have attended at least 2 conferences in the last 4 years.

State Representative should be a life member who has attended conferences regularly in the last 5 years and is fairly active in Association activities.

Format of the nomination form for positions in executive council

I, propose the name of Prof./Dr./Mr./Ms.
 bearing Membership No. for the post of

PLACE : SIGNATURE:

DATE: MEMBERSHIP NUMBER:

I, second the proposal.

PLACE : SIGNATURE:

DATE: MEMBERSHIP NUMBER:

I, accord my consent to the proposal.

PLACE : SIGNATURE:

DATE: MEMBERSHIP NUMBER:

Reports from State Branches

ACBI West Bengal Branch

The State Chapter Meet, 2010 was held on 7th of April 2010.

A group discussion was arranged on Quality Control, QC management & quality planning. The speaker was Dr. Shyamali Pal. Members of ACBI from West Bengal and also the practising Biochemists of West Bengal interacted and gave their views. The session was chaired by Prof. Shibdas Bandyopadhyay. The chapter meet was organized by Dr. Shyamli Pal, state representative, West Bengal.

Annual General Meeting of the West Bengal Chapter of ACBI was also held after the scientific session. The following were elected for the new term :

1. Prof. Ila Bhattacharya - The President, WBACBI
2. Prof. G.C. Bhattacharya - The Vice President, WBACBI
3. Dr. Shyamali Pal - The State Secretary
4. Dr. Dilip Ghosh Dastidar - The Treasurer

ACBI, Punjab State Branch

CME at Government Medical College, Amritsar

Dr. Mridula Mahajan, Organizing Secretary, Professor & Head, Department of Biochemistry Govt. Medical College, Amritsar conducted a Continuing Medical Education (CME) Programme as Punjab state activity of Association of Clinical Biochemists of India

(ACBI). The theme of the CME was "Recent Advances in Laboratory Medicine". **Dr. D.M. Vasudevan**, Distinguished Professor Biochemistry Amrita Institute of Medical Sciences, Kochi and President ACBI, **Dr. Rajeev Ranjan Sinha**, Secretary ACBI, **Dr. Venkatesh Thuppil**-Distinguished Professor Biochemistry, St. John's Medical College, Bangalore, **Dr. Praveen Sharma**-Professor of Biochemistry S.M.S. Medical College, Jaipur and many more dignitaries participated in this programme.

The Scientific Programme was designed to follow the theme and protocol of the CME e.g. **Influence of preanalytical variables on the quality of laboratory results** by Dr. Praveen Sharma Professor of Biochemistry, SMS Medical College, Jaipur; **Ten Steps towards Lab Accreditation** by Dr. T. Venkatesh, Principal Advisor, Quality Council of India (QCI) & National Referral Centre for Lead Poisoning in India (NRCLP) Professor of Biochemistry & Biophysics at St. John's Medical College Bangalore; **Bio-medical waste management - Need of the hour** by **Dr. Jagdish Gargi**, Professor and Head of Forensic Medicine, Government Medical College, Amritsar; **Dealing with HIV samples in clinical laboratory** by **Dr. Neerja Jindal**, Professor and Head of Microbiology, GGS Faridkot; **Newer markers in clinical biochemistry** by **Dr. D.M Vasudevan** Distinguished Professor of Biochemistry Kochi; **Stem cell in regenerative medicine** by **Dr. Ratti Ram Sharma**, Associate Professor of Transfusion Medicine PGIMER Chandigarh;





Nanotechnology in diagnosis of diseases by Dr. A.K. Dhinda, Additional Professor Pathology AIIMS New Delhi.

Recent advances in various clinical fields such as Medicine, Pediatrics, Chest and TB, Pathology Microbiology, Radiology were also presented by various speakers to maximize the interactions between clinicians and people working in the basic sciences.

The CME was ably supported by grants from the Indian Council of Medical Research and Medical Council of India. It was also accredited with 8 hours by the Punjab Medical Council.

The CME was graced by The Vice Chancellor, Baba Farid University of Health Sciences and Chief Guest of the occasion Dr. S.S Gill who presided over the function. Dr. Jai Kishan Director Research and

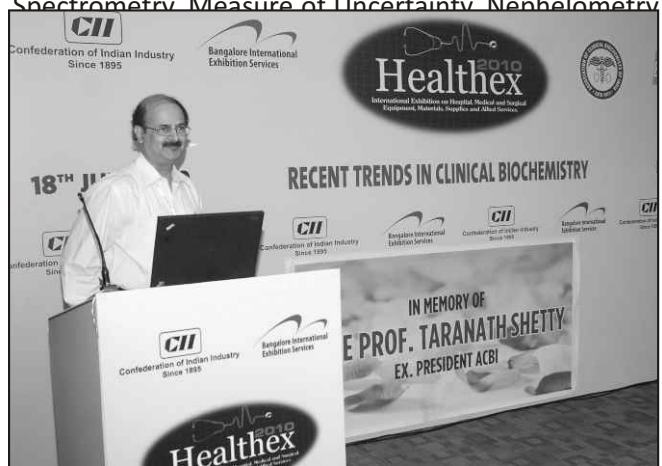
Medical Education Punjab, Guests of Honour Dr. DM Vasudevan Distinguished Professor of Biochemistry & President ACBI, Dr. Gurdas Singh, founder Professor of Biochemistry Govt. Medical College, Amritsar. Dr. Karnail Singh, Member Punjab Medical Council were also present.

ACBI Karnataka State Branch

CME on 'Recent Trends in Clinical Biochemistry'

On 18th July 2010, a CME on “Recent Trends in Clinical Biochemistry” was held at the Bangalore International Exhibition Center. Over 100 delegates attended the CME and made it a grand success. The Committee from BIEC had arranged the auditorium and also entry invites for delegates to attend the exhibition.

A wide array of topics from CK-MB, Mass Spectrometry, Measure of Uncertainty, Nephelometry





& Point-of-care-testing (POCT) were covered in the CME.

Dr. Krishnaswamy was unable to attend following his ill-health issues. It was then decided that the speakers themselves light the inaugural lamp and declare the CME open.

Dr. T.N. Raghunath, Clinical Biochemist & Director, Education, Narayana Hrudayalaya, Bangalore delivered the inaugural address. He spoke about Late Prof. Taranath Shetty; one of the outstanding pillars of modern day Biochemistry & the ACBI (Association of Clinical Biochemists of India). Prof. Shetty was also the past President of the ACBI. It was in the memory of Prof. Taranath Shetty that this CME was conducted and this was indeed befitting.

Mr. Vijay Bhat from Manipal Hospital, Bangalore spoke next on "Mass Spectrometry- Future of Clinical Proteomics". This was followed by Dr. Jose Fleming from Christian Medical College (CMC), Vellore on "Falsely elevated CK-MB values" wherein he shared his rich experience.

Dr. Puneeta Bhatia from Columbia Asia Hospital, Bangalore spoke next on Nephelometry, and finally Dr. Anita Devanath from St. John's Hospital, Bangalore spoke on "Measurement of Uncertainty in Laboratory".

Giving final touches to the CME, Dr. Raghunath spoke on POCT, which was very well presented, appreciated and also taken in a lighter vein, with all the humorous experiences he added along with.

In conclusion, Vijay Bhat delivered the vote of thanks.

An open session for sharing the thoughts of the participants followed which saw enthusiastic response from all the attendees.



Certificates of Participation were issued to all the participants in the name of "Healthex 2010 & ACBI".

ACBI Tamilnadu State Branch

A half day CME on **Recent Trends in Cardiovascular Diseases** was organized on 30th. January 2010 at Cancer Institute, Adayar, Chennai by Dr. R. Arivazhagan, State Representative for Tamil Nadu.

Dr. R Arivazhagan, Head, Clinical Biochemistry Department, Cancer Institute, Adayar welcomed the guests and also gave a brief introduction about ACBI and its activities. Dr A. Vasanthan, Additional Director, Cancer Institute was the chairperson for the meeting.

Dr. K. Dhandapani, Associate Professor of Medicine, Gazes Cardiac Research Institute, Medical University of South Carolina, USA gave a talk on "Beta-3 Intergrin and Cardio-protective signaling"

Dr. Nalini Ganesan, Professor, Department of Biochemistry, Sri Ramachandra Medical College & Research Institute, Porur, Chennai spoke on "Obesity and Dislipidaemia". Mementos were given away to all the speakers and sponsors. Dr. Nirmala, Head, Department of Biochemistry at SRM Dental College, Ramavaram, Chennai gave the vote of thanks.



Corporate Corner

EU-FLO Cystatin C : A New Marker for Measurement of Renal Function

Glomerular Filtration Rate (GFR) represents the best overall index of renal function. The most precise and accurate methods (such as inulin clearance) are impractical in the clinical setting and for larger research studies. Serum creatinine has been the mainstay by which renal function has been estimated for decades, but it is crude and can often be misleading. Age, weight, sex and race influence creatinine production and thus need to be taken into account when evaluating a serum creatinine value.

In an attempt to address some of these limitations, equations have been derived to estimate either creatinine clearance or the glomerular filtration rate (GFR). The most commonly used equation for estimating creatinine clearance is the CockcroftGault (C&G) formula. GFR calculated by this equation correlates well with measured GFR when renal function is within the reference interval. However as renal function declines, it overestimates GFR because creatinine is removed not only by glomerular filtration but also by renal tubular secretion. When GFR is low, tubular secretion becomes an important factor.

Another formula, the MDRD (Modification of Diet in Renal Disease) equation, is the most widely used to estimate GFR. It too has several limitations, including lack of validation within the reference interval, the susceptibility of the alkaline-picrate creatinine method to interferences, and the lack of harmonization of creatinine assays. The variation between laboratories for plasma creatinine may be 30% or more. This has serious implications when using an estimating equation that was derived with a different creatinine method

Several well-documented studies have shown

- EU-FLO Cystatin C responds more quickly to changes in GFR than creatinine and is a better parameter for the diagnosis of mild to moderate impairment of renal function (stages 2-3 of CKD).

- EU-FLO Cystatin C is more useful for detecting early renal impairment in both type I & type II diabetic patients than are creatinine and commonly employed creatinine-derived formulas.
- EU-FLO Cystatin C shows a high correlation with GFR.
- EU-FLO Cystatin C has been shown to increase earlier than serum creatinine in patients developing AKI.
- With a very simple formula, EU-FLO Cystatin C gives a good estimate of GFR, more accurate and precise than C&G.
- Because biological variation is low, EU-FLO Cystatin C gives also a good assessment of GFR changes during follow-up.
- EU-FLO Cystatin C is the preferred endogenous parameter for GFR.

EU-FLO Cystatin C measurement offers a simpler and more sensitive screening test than serum creatinine for early changes in GFR.

Accurex Biomedical Pvt. Ltd. has introduced the new EU-FLO Cystatin C assay in the Indian market. This kit offers many salient features given below:

- The method used in this kit is Particle Enhanced Immunoturbidimetry.
- A fast and simple assay of 10 minutes.
- Easy calculation of GFR by a conversion formula.
- The EU-FLO calibrator is standardized against the international Cystatin C calibrator.
- Sampling is required only once; thereby offering minimal patient invasion.
- No injection of radioactive compounds in the body.
- No collection of 24 hr. urine sample.
- A convenient pack size of 30 ml (R1: 1 x 25 ml, R2: 1 x 5 ml)

Information provided by: Roopa Gonsalves, Marketing Manager, Accurex Biomedical Pvt. Ltd.



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I have verified the information given in this application that are true to the best of my knowledge. He/She fulfils eligibility requirement for becoming a member of ACBI. I recommend that be accorded the membership of the ACBI.

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Fourth Annual Conference of the Association of Clinical Biochemists of India

DECEMBER 31, 1977 - JANUARY 2, 1978

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SITTING (L TO R): Chakravorty M., Kenny A.J., Thind S.K., Sita Devi C., Burma D.P., Sinha K.P., Mehler A.H., Rodr. M.N., Tanksale K.G., Vasavada N.B.

STANDING (1ST Row): Bhargava P., Chakravorty J., Rama Rao A.V.S.S., Sandhya P., Chhaya Sinha, Keskar M., Sulochana G., Pattabiraman T.N., Kanagasabapathy A.S., Panikar.

(2nd Row): Prasad M., Rajshankar, Dubey S.S., Dubey K.M., Parhi J., Hill P.G., Sarkar A.K., Ray G., Chauhu, Sinharay S.

(3RD Row): Haridas N., Maity C.R., De D.P., Singh R. P., Singh S.P., Joshi L.D., Panda N.C., Goswami P., Rai G.R.K., Aroor A.R., Singh G.P., Bhattacharya B.K.

(4TH Row): Chatttrjee D., Raziuddin, Vasudeva Rao K., Padmanabhan L., Lahiri D.K., Sisodia A.K., Rao Y.N., Modi O.P., Shivaraj B., Deb J.K., Ghosh S.

(5TH Row): Sansoi J.K., Kishore B.K., Das S.C., Ramchandran K., Potdar P.D., Zileedar A., Rao P., Shivpuri J.N., Donde U.M., Acharya N.R.



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