

# Kurukula Arachchi Chandana Wickramaratne

CURRICULUM VITAE

NOVEMBER 2022

## KURUKULA ARACHCHI CHANDANA WICKRAMARATNE

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## Curriculum Vitae

### CONTENTS

PROFESSIONAL QUALIFICATIONS .....	3
REGISTRATIONS AND CERTIFICATIONS.....	3
KEY PROFESSIONAL AND TEACHING EXPERIENCE/ EMPLOYMENT/POSITIONS HELD.....	3
ACCREDITATION/QUALITY ASSURANCE/HEALTHCARE QUALITY.....	4
TRAINING .....	4
WORKING EXPERIENCE.....	5
SCHOLARLY WORK.....	6
OTHER PROFESSIONAL EXPERIENCE/ EMPLOYMENT .....	10
VISITING LECTURER.....	10
MEDICAL DEGREE PROGRAMS .....	10
ALLIED HEALTH SCIENCES DEGREE PROGRAMS/ DIPLOMA PROGRAMS .....	10
POSTGRADUATE TEACHING/EXAMINATIONS/SUPERVISION .....	11
POSTGRADUATE SUPERVISION.....	12
SCHOLARLY CONTRIBUTIONS .....	12
INTERNATIONAL.....	12
NATIONAL .....	13
CURRICULUM / NEW COURSE DEVELOPMENT AND REVISION .....	14
KEY COMPETENCIES/ SKILLS .....	15
POSTS HELD AT NATIONAL LEVEL.....	15
MEMBERSHIP IN PROFESSIONAL BODIES.....	16
CONTENT EXPERT IN WORKSHOPS, SEMINARS, TRAINING PROGRAMS, SCIENTIFIC SESSIONS AND SYMPOSIA .....	17
AT THE POST GRADUATE INSTITUTE OF MEDICINE (PGIM),.....	17
AT PROFESSIONAL COLLEGES FOR MEDICAL PROFESSIONALS.....	19
AT MEDICAL/ HEALTH INSTITUTES FOR DOCTORS, NURSES AND LABORATORY TECHNICAL OFFICERS.....	22
AT SRI LANKA ACCREDITATION BOARD (SLAB) FOR SPECIALISTS, LABORATORY MANAGERS, LABORATORY DIRECTORS, LABORATORY TECHNICIANS, ACADEMICS AND QUALITY MANAGERS FROM INDUSTRY .....	24
GRANTS MANAGEMENT AND REVENUE GENERATION .....	26
PUBLICATIONS .....	27
MANUSCRIPTS AND SCIENTIFIC JOURNALS.....	27

PEER REVIEWED ABSTRACTS .....	29
CHAPTERS OF BOOKS.....	31
ARTICLES FOR PUBLIC EDUCATION AND AWARENESS RAISING .....	31
WORK EXPERIENCE RELATED TO HEMATOLOGY AND LABORATORY MANAGEMENT .....	32
LABORATORY PLANNING AND DEVELOPMENT .....	33
WORKSHOP/CONFERENCES ORGANIZED/COORDINATED/DESIGNED .....	33
MENTORING AND COUNSELLING .....	33
REVIEWER OF PEER REVIEWED JOURNALS.....	33
MEMBER OF COMMITTEES.....	33
NATIONAL LEVEL.....	33
UNIVERSITY LEVEL.....	35
FACULTY LEVEL .....	35
RECENT WORKSHOPS/CONFERENCES PARTICIPATED .....	36
OTHER IMPORTANT WORKSHOPS PARTICIPATED IN THE PAST .....	38
RECENT VOLUNTEER WORK AT NATIONAL LEVEL .....	39
CREATIVE WORK .....	39

## KURUKULA ARACHCHI CHANDANA WICKRAMARATNE

### PROFESSIONAL QUALIFICATIONS

- Postgraduate Institute of Medicine (PGIM), University of Colombo (UoC), Sri Lanka  
**MD Pathology (Hematology)** Jan 2004
- Postgraduate Institute of Medicine, University of Colombo, Sri Lanka  
**Postgraduate Diploma in Pathology** Dec 2001
- Faculty of Medicine (FoM), University of Ruhuna (UoR), Sri Lanka  
**Bachelor of Medicine Bachelor of Surgery (MBBS) Second class honors** May 1996

### REGISTRATIONS AND CERTIFICATIONS

- Board of Study in Pathology (and Hematology) Postgraduate Institute of Medicine University of Colombo, Sri Lanka.  
**Board Certified Specialist in Hematology** 2006 – Present
- Sri Lanka Medical Council  
**Registered Specialist Medical Practitioner - Hematology (No 13076)** 2018 - Present  
(*Specialist registry instituted in 2018*)
- Sri Lanka Medical Council  
**Registered Medical Practitioner (No13076)** 1997 - Present

### KEY PROFESSIONAL AND TEACHING EXPERIENCE/ EMPLOYMENT/POSITIONS HELD

- Faculty of Medicine (FoM), University of Ruhuna (UoR), Sri Lanka  
**Head Department of Pathology** Nov 2018 - Present
- Department of Pathology, Faculty of Medicine (FoM), University of Ruhuna (UoR), Sri Lanka  
**Senior Lecturer in Pathology, Grade I** Jan 2011 to Present
- Department of Pathology, Faculty of Medicine (FoM), University of Ruhuna (UoR), Sri Lanka  
**Senior Lecturer in Pathology Grade II** Jan 2006 – Jan 2012
- Department of Pathology, Faculty of Medicine, University of Ruhuna, Sri Lanka  
**Lecturer in Pathology** Jan 1999 - Jan 2006
- Department of Hematology, Erasmus University Medical Center, Rotterdam, **the Netherlands.**  
**Visiting Scientist** Jan 2005 - Dec 2005
  - Completed one year of training in The Netherlands under Prof Bob Lowenberg as a visiting scientist. Erasmus University Medical Center being a leading center of excellence in Europe provided comprehensive training in clinical and diagnostics, research, and multidisciplinary care in hematology, hemato-oncology in adults and paediatrics patients, covering both benign and malignant hematology and molecular research.

- Faculty of Medicine, University of Ruhuna, Sri Lanka  
**Principal coordinator Allied Health Sciences Degree program** **2010 – 2011**
  - Coordinated and provided management and administrative leadership to three degree programs; BSc Nursing, BSc Medical Laboratory Science (MLS), and Bachelor in Pharmacy
- **Coordinator BSc Medical Laboratory Science (MLS) Degree Program** **2011 - 2015**
- Ruhunu Hospitals Diagnostics (RHD), Galle, Sri Lanka  
**Director (part time) Medical Laboratory** **Jan 2007 to Present**  
This is a laboratory based in a private hospital.
- Lanka Hospitals Diagnostics (LHD), Galle, Sri Lanka  
**Director (part time) Medical Laboratory** **Jan 2019 – Present**
- Melsta Laboratories, Galle, Sri Lanka  
**Director (part time) Medical Laboratory** **Dec 2019 – Jan 2023**  
*A private sector branch laboratory. The main laboratory is located in Colombo, Sri Lanka.*
- Faculty of Medicine, University of Ruhuna, Sri Lanka  
**Head, Department of Pathology** **2015**
  - Served for one year at which point I took a year off on sabbatical leave
- National Hospital, Colombo, Sri Lanka  
**Medical officer of ENT** **Jan 1998 - Jan 1999**
- National Hospital, and Lady Ridgeway Hospital for Children, Colombo, Sri Lanka  
**Intern House Officer, Surgery and Pediatrics** **Jan 1997 - Jan 1998**
- Faculty of Medicine, University of Ruhuna, Sri Lanka  
**Demonstrator, Department of Pathology** **June 1996 - Jan 1997**

## ACCREDITATION/QUALITY ASSURANCE/HEALTHCARE QUALITY

### TRAINING

- Quality Assurance Council (QAC), University Grants Commission (UGC), Sri Lanka  
**Program Review (of Degree Programs) for Quality Assurance in Universities** **2021 to Present**  
Completed training in 2021
- **Australian Council on Healthcare Standards International (ACHSi) for Accreditation of Health Care Institutions as per ACHS standards**  
**Surveyor for Hospital Accreditation** **2019 to Present**
  - Successfully completed training in 2019. Serve as a Surveyor
- Forum for Ethical Review Committees in the Asia and Western Pacific Regions (FERCAP).  
**International Course on Surveying Ethical Review Committees** **Sep 2014**
  - Obtained training on audit process of FERCAP for accreditation of ethical review committees
  - Completed International course on surveying and evaluating ethical review practices (2014)
  - Served for eight years on Ethics Review Committee, FoM, UoR

- National Accreditation Board for Testing and Calibration Laboratories (NABL) **India** **2013**  
Sri Lanka Accreditation Board (SLAB)  
**Assessor Training ISO 15189/17025 Accreditation of Medical and Testing Laboratories**
  - Successfully trained on transition to ISO 15189:2012 Accreditation of Medical Laboratories (2013).  
*More details on related training are stated below.*
- **Swedish** Board for Accreditation and Conformity Assessment (SWEDAC)  
Sri Lanka Association of Testing Laboratories (SLATL)  
**Assessor Training on ISO/IEC 15189 and 17025 Accreditation of Medical and Testing Laboratories**
  - Successfully completed practical training in 2007
  - Appointed to the role of Assessor by the Sri Lanka Accreditation Board (SLAB in) 2008  
*SLAB obtained mutual recognition status (MRA) with APLAC and ILAC in 2009 which continues to date.*
- **Training on Development of Quality Manual and Operating Procedures** for Medical/Clinical Laboratories based on ISO/IEC 15189:2003 **Mar 2007**
- **Training on Internal Auditing of Accreditation systems based on ISO/IEC 17011:2005** **Sept 2009**
- **College of American Pathologists (CAP), USA**  
**Training on accreditation of Laboratories**  
**Inspection team member** training (online) **Apr 2016**  
**Inspection team leader** training (online) **July 2016**
- Sri Lanka Accreditation Board  
**Consultant Development Program ISO 15189/17025** **Jan – April 2008**
  - Successfully completed all course elements, course work and examination

#### ACCREDITATION/QUALITY ASSURANCE/HEALTHCARE QUALITY RELATED

#### **WORKING EXPERIENCE**

- Sri Lanka Accreditation Board (SLAB)  
**Registered Assessor of Medical Laboratories (ISO15189)** **2008 to Present**
  - Performed over 90 man-days of audits for the accreditation of medical laboratories as per ISO15189 in Sri Lanka since 2008
  - Trained laboratory professionals on quality management and accreditation in over 30 programs and in two Assessor Training programs as a content expert
  - **Highly sought-after specialist** for advice, consultancy and training on quality management and accreditation as evident by large number of contributions listed below as invited speaker
  - Compiled quality management and medical laboratory accreditation curriculum in BSc Medical laboratory Services (MLS) curriculum, and conducted teaching and assessment of undergraduates
  - Provided consultative advice to Sri Lanka College of Hematologists (SLCH) in its National Laboratory Quality Management Program as a resource person in many committees, workshops, seminars and training programs
  - Mediated accreditation and regulatory conclaves conducted in Sri Lanka as a content expert

- **Australian Council on HealthCare standards international (ACHSi)**  
**Full Assessor** **2020 to Present**
  - Successfully completed the training, stipulated examinations, and practical training to gain Full Assessor status
  - Contributed as a resource person in Training of Trainers/Leaders programs in relation to Healthcare Quality and Safety in the Ministry of Health (MoH), Sri Lanka
  - Participated successfully in an international pilot study for the implementation of the latest revision of accreditation standards EQUiP 7
  - Conducted surveys on behalf of ACHSi since 2022 in Sri Lanka and in Pune India
  
- **Quality Assurance Council (QAC)**  
University Grants Commission (UGC) of Sri Lanka  
**Assessor for Program Review** **2022 to Present**
  - Completed training in 2021
  - Appointed as a Reviewer/Auditor in 2022
    - Conducted program review audits of three degree programs (Allied Health Sciences)
  
- **Working Experience with Clinical and Laboratory Standards Institute (CLSI) USA. 2012 – 2014**  
Appointed as a volunteer to contribute in many document development committees of CLSI USA. Participated in all the programs online.
  - Obtained online training conducted by CLSI on standard/document preparation styles, guidelines and process of the CLSI
  - Completed contributions to following standard development:
    - Karen K. Mortland, Samya SemaanHeart, **Kurukula AC Wickramaratne**, Vassilios I. Nicholaou, Anand K. Seth, Terry Williams, Daniel I. Scungio, Adam Walter Laboratory Design 3<sup>rd</sup> edition. Quality Management System (QMS) 04  
Published by CLSI Clinical and Laboratory Standards Institute (CLSI), USA: 2016  
Publisher: CLSI, USA ISBN: 156238936X (print), ISBN: 1562389378 (electronic)  
ISSN: 15586502 (print), ISSN: 21622914 (electronic)
  - Served as a member of following document development committees of Clinical and Laboratory Standards Institute (CLSI) USA.
    - Using Proficiency Testing to Improve the Clinical Laboratory in 2012–2014.
    - Procedures for the Collection of Diagnostic Blood Specimens in 2012–2014.
    - Minimum requirements of a phlebotomy training program in 2012–2014
    - Reporting critical, life threatening, or life altering laboratory results in 2012– 2014
    - Personnel Management in 2011– 2013

#### ACCREDITATION/QUALITY ASSURANCE/HEALTHCARE QUALITY RELATED

#### SCHOLARLY WORK

- **National Guidelines of Sri Lanka College of Hematologists (SLCH)** **2017**
  - Guidelines for collection and transportation of specimens for National Thalassemia Screening Program were prepared as per the request of the Council of the SLCH in the year 2017.
  - Guidelines and specifications for recognition of Centers for Thalassemia Screening and Confirmation and Hemoglobinopathies in the National Thalassemia Screening Program were prepared as per the request by council of SLCH in year 2017.

- **Sri Lanka Accreditation Board**  
**Member of Accreditation Committee** **2020 to Present**
  - Provide expert advice on accreditation decision based on audit findings of medical laboratories within the scope of hematology.
  
- Member of the Expert Committee on Hematology** **2011 to Present**  
 Appointed by the Sri Lanka Accreditation Board to develop National Guidelines, Specific criteria and standard requirements in relation to Accreditation of Hematology Laboratories as per the ISO15189 standard in Sri Lanka.
  - National Guidelines developed and accepted by the Accreditation Board, and in use since 2012.
  
- Member - Expert Committee on Reference Material (Medical Testing)** **2016 -2022**  
 Appointed by the Sri Lanka Accreditation Board to draft guidelines for the use of reference material in medical testing as per ISO 15189: 2013 by invitation of SLAB.
  - Developed guidelines covering all laboratory disciplines.
  - Wrote the chapter on reference materials in Hematology. The document has been accepted and has been in use by SLAB since 2022
  
- Member of the expert committee on Hematology to review use of SI units**  
 Appointed by the Sri Lanka Accreditation Board for reporting FBC as per the standardization process commenced in UK in 2013.
  - Document accepted and in use by SLAB since 2013
  
- Content expert for Certificate Training Course on Laboratory Accreditation on ISO 15189 and ISO 17025.**
  - Provided training to academics, consultants, doctors, quality managers and laboratory directors.
  
- **Ministry of Health (MoH), Sri Lanka**  
**Nominated to prepare general specifications** to be adopted in the Procurement Process of Microscopes for the Ministry of Health (MoH) by the Sri Lanka College of Hematology (SLCH) in 2022.
  
- **Nominated to prepare general specifications** to be adopted in the procurement process of genetic laboratory equipment for the MoH by SLCH in 2022.
  
- Ministry of Health (MoH), Sri Lanka  
**Participation as an Expert in Phase II core group stake holder meeting for the Development of a Strategic Plan for 5 years (2020 – 2024) on Patient Safety and Healthcare Quality in 2019.**
  - Provided expert opinion on Special Requirements needed in Healthcare Delivery in diverse settings in Sri Lanka, focusing on Quality of Care and Patient Safety.
  - Gained knowledge on further improvements needed in Undergraduate Curriculum in Medicine and Allied Health Sciences to incorporate Healthcare Quality and Safety.
  - Included Healthcare Quality, Health Economics, and Healthcare Safety in the recent curriculum revision.
  
- **Technical Consultancy Meeting – Strengthening Laboratory Services on Primary Healthcare System**  
**Ministry of Health** **2019**
  - Generated Objectives and Procedures, and Planned the Primary Healthcare Delivery and related test facilities required at National Level for the Ministry of Health

- **Sri Lanka College of Hematologists, Ministry of Health. Content expert to develop ‘Five Year Plan’ for Hematology Services in Sri Lanka, 2020 - 2025**  
This proposal was established to cater to National Requirements in Healthcare, Teaching, and Services required in Hematology.
  - Contributed to the whole proposal development and review.
  - Key contributions to the section on International collaborations.
- Post Graduate Institute of Medicine (PGIM), University of Colombo (UoC) **Feb 2019**  
**Content expert** on ‘Study Day on Laboratory Management’ conducted for the Post Graduate trainees in Histopathology, Hematology, Chemical Pathology and Transfusion Medicine for MD examination
- Teaching Hospital, Karapitiya, Galle, Sri Lanka  
**Chief Assessor to evaluate Quality Standards achievement** of various units/sections in the program of ‘Suwa Vishishtatha’ (Excellence in Wellness) Award Ceremony – **2019**
  - Improved audit criteria and audit check list
  - Led the audit process and selected the best units for the awards
  - Worked to improve liaison with clinical care team in Teaching Hospital.
- Directorate of Healthcare Quality and Safety, Ministry of Health (MoH)  
**Content expert** for the Workshop on Introduction to Patient Safety, for health care staff Nov/Dec 2018.
  - Participants were medical officers, medical directors of hospitals, quality managers, chief nursing officers, medical laboratory technologists and pharmacists.
- Directorate of Healthcare Quality and Safety, Ministry of Health (MoH)  
**Content expert** for National training program “Training of Master Trainers on 5-S, Continuous Quality Improvement – Total Quality Management (5S – CQI – TQM) Implementation in Sri Lanka”. Aug/Oct 2018.
  - Participants were medical officers, medical directors of hospitals, quality managers, chief nursing officers, medical laboratory technologists and pharmacists.
- Sri Lanka Standards Institute (SLSI)  
**Co-contributor to Draft Specifications for Baby Cologne** Sri Lanka. 2018.
  - Provided expert opinion on revisions required for setting the standards.
- Teaching Hospital, Karapitiya, Galle, Sri Lanka  
**Executed Gap Analysis** audits on Healthcare Safety and Quality in relation to Australian Council on Healthcare Standards (ACHS) EQuIP 6 standards in 2018.
  - Participated in a training audit with expert team of ACHSi Australia.
- **Shared expertise** at Consultative meetings on Development of Standard Operating Procedures (SOP) for Cancer Registration in 2017.
- Ministry of Health, Sri Lanka (MoH)  
**Content expert** in preparation of revised approved laboratory items list for Hematology in 2016.
- Ministry of Health (MoH), Sri Lanka  
**Content expert / advisory support** to establish a Hematology External Quality Assurance (EQA) Program in Sri Lanka

- Ministry of Science, Technology and Research, Sri Lanka  
**Content expert** at the National Regulatory Conclave 2016 held in Sept 2016 as per the directives from Ministry of Science, Technology and Research in order to commence implementation of proposals approved by the cabinet of ministers for making accreditation mandatory for taking technical decisions in Sri Lanka.
- **Content expert** in the National Laboratory Conclave 2014 organized by Sri Lanka Accreditation Board (SLAB) Nov 2014.
  - Moderated case study ‘Qualification of High-tech Instruments used for Medical Testing’
- Sri Lanka Accreditation Board (SLAB)  
**Member of the Panel of Judges** appointed to select winners in National Essay Competition conducted by the Sri Lanka Accreditation Board (SLAB) to commemorate World Accreditation Day in 2012.
- **Provided Expert Advice** on initiation of the National External Quality Assurance Scheme in Hematology (NEQASH) Program for Hematology Testing at the Medical Research Institute (MRI), Sri Lanka in 2012.
- **Uva Clinical Society, Provincial Hospital, Badulla, Sri Lanka, and Sri Lanka Accreditation Board (SLAB)**  
**Content expert** for Workshop on Creating Awareness on Laboratory Accreditation based on ISO 15189: 2007 – Uva Province, organized by Uva Clinical Society and SLAB in 2012.
- **Invited Speaker** at the World Accreditation Day Program 2011. The National seminar on supporting the work of regulators through accreditation to commemorate World Accreditation Day.
  - Title of the lecture delivered: “Use of Reference Materials in Medical Testing and Traceability and Uncertainty of Measurement”.
- Sri Lanka Accreditation Board (SLAB)  
**Content expert** in the Assessor Training Course for Laboratory Accreditation on ISO 15189 in March 2011.
  - Participants were academics, specialist medical officers, medical directors of hospitals, and quality managers, from both public and private sectors in Sri Lanka.
  - Delivered lectures and participated in interactive sessions.
- Sri Lanka Accreditation Board  
**Content expert** for Orientation Course on ISO 15189 conducted in May 2009
- Teaching Hospital, Mahamodara, Galle, Sri Lanka  
**Content expert** on the Health Sector Development Project, Galle District, Southern Province Program Oct 2009.
- **Invited speaker:** World Accreditation Day Program June 2009.  
National seminar at the South Asian Association for Regional Cooperation (SAARC) Workshop on Regional Corporation in Accreditation, to commemorate International Accreditation Day.
  - The Title of the lecture delivered: “Credibility and Reliability in Medical Testing Services - A Basic Need” at Session 2, under the theme - “Competence and Credibility of Testing Services with Accreditation”.

## OTHER PROFESSIONAL EXPERIENCE/ EMPLOYMENT

### VISITING LECTURER

#### MEDICAL DEGREE PROGRAMS

- Faculty of Medicine, University of Jaffna, Sri Lanka  
**Visiting Lecturer, Department of Pathology** **2012 to Present**
  - Revised the curriculum in Hematology in 2022 to introduce a module system, and a more student-centered approach to teaching.
  - Introduced the topics of Healthcare Economics, Healthcare Quality and Safety into the curriculum.
  - Delivered 100% of the instruction of the Hematology component in Pathology since 2012 with frequent visits to Jaffna (a 9 hour drive each way).
  - Conducted examinations
  - Obtained excellent student feedback on teaching (>90% positive).
- Faculty of Medicine, University of Sabaragamuwa, Sri Lanka  
**Department of Pathology** **2021 to Present**

This is a newly established medical faculty (2019). Contributed to curriculum development, conducted teaching and examinations.

  - Designed curriculum in Hematology
  - Conducted 100% of the teaching on Hematology
  - Conducted examination covering the Hematology component in pathology by setting and marking structured essay questions and OSPE questions.
  - Contributed actively in revision of newly developed pathology curriculum before its implementation.
  - Obtained excellent feedback from students (>90% positive).
  - Facilitated and conducted online/virtual teaching during COVID outbreak.
- Faculty of Medicine, Kotelawala Defence University (KDU), Sri Lanka  
**Visiting Lecturer** **2011**
  - Delivered lectures in Hematology

### TEACHING EXPERIENCE AS A VISITING LECTURER

#### ALLIED HEALTH SCIENCES DEGREE PROGRAMS/ DIPLOMA PROGRAMS

- Faculty of Allied Health Sciences, University of Jaffna, Jaffna, Sri Lanka  
**BSc Medical Laboratory Sciences (MLS) Degree Program** **2012 to Present**
  - Revised and updated the curriculum
  - Conducted teaching and examinations covering Hematology and Immunohematology
  - Obtained excellent student feedback on teaching (>90% positive)
  - Facilitated and conducted online/virtual teaching during COVID outbreak
  - Evaluated 9 research projects of BSc MLS graduates in 2019
- Faculty of Allied Health Sciences, University of Ruhuna, Galle, Sri Lanka  
**BSc Medical Laboratory Sciences (MLS) Degree Program** **2017 to Dec 2022**
  - Conducted teaching and served as an examiner for theory and viva voce examinations
  - Served as a moderator of Hematology, Transfusion Medicine and Laboratory Management examination papers

- University of Peradeniya, Sri Lanka  
**Allied Health Sciences Degree Program (AHSDP)** **2015, 2016**
  - Conducted teaching and examinations on laboratory management and accreditation
- **Institute of Chemistry Ceylon (I.Chem), Rajagiriya, Sri Lanka** **2012 – 2016**
  - Developed curriculum in Hematology, Transfusion Medicine and Laboratory Management
  - Conducted 100% of the teaching in Hematology, Transfusion Medicine and Laboratory Management
  - Conducted examinations
- Ministry of Health (MoH), Southern Province Training Center, Galle, Sri Lanka  
**Public Health Inspector (PHI) Training Program** **2019 to Present**
  - Taught Hematology and Blood banking component in Public Health Inspector training program
- Faculty of Medicine, University of Ruhuna, Galle, Sri Lanka  
**BSc Nursing Degree Program** **2009 – 2011, 2013 – 2015**
  - Conducted teaching and examination in Hematology and Pathology
- University of Colombo, Sri Lanka  
**Institute of Human Resource Advancement (IHRA)** **2014**
  - Conducted teaching and examination in hematology and laboratory management
- Faculty of Medicine, University of Ruhuna, Sri Lanka  
**BPharm Degree Program, Allied Health Sciences Degree Program (AHSDP)** **2013 – 2014**
  - Conducted teaching in immunohematology
- Open University of Sri Lanka (OUSL), Nawala, Sri Lanka  
**Allied Health Sciences Degree Program** **2015**
  - Conducted teaching and examinations in Special Hematology
  - Developed and reviewed curriculum in Special Hematology and Transfusion Medicine ( in 2012)

## VISITING LECTURER

### POSTGRADUATE TEACHING/EXAMINATIONS/SUPERVISION

PGIM is the only institution for the training of medical practitioners for specialization and board certification in Sri Lanka. The visiting lecturers, trainers and examiners are selected based on qualifications, competencies, experience and institution affiliated.

- **Supervisor MD Clinical Hematology** **2015 to Present**
  - Trained and supervised postgraduate trainees in Hematology
  - Supervised research projects of trainees assigned to the Galle Center
  - Reviewed and assessed research project proposals and final thesis submissions
  - Developed and delivered quality management and accreditation seminars annually for all the MD Hematology trainees as the key content expert
- **Examiner in Post Graduate Diploma in Clinical Hematology** **2013-2015, 2018-2019, 2021**
  - Participated in training, setting exam questions, viva voce examination and research project supervision

- **Examiner in MD in Clinical Hematology** **2018-2021**
  - Set exam questions and conducted viva voce examinations, supervised research projects, evaluated research projects of MD hematology trainees
  - Participated in pre-board certification interviews of candidates who were successful in MD Hematology examination and training
  
- **Examiner for Selection Examination for enrolment in the In-Service Training Program in the post graduate Diploma in Pathology** **2011-2014, 2016**
  
- **Examiner for Selection Examination in MD Surgery (Part I)** **2013 to 2018**
  - Participated in setting questions in Pathology and Hematology related to surgery practice (which include structured essay, multiple choice questions, single best response questions) and extended matching items and viva voce examination
  
- **Trainer and Examiner in Postgraduate Institute of Science (PGIS)** **2012-2013**  
MSc in Medical Microbiology program Peradeniya, Sri Lanka.
  - Conducted teaching sessions on Laboratory Management and Accreditation Modules
  
- **Member MCQ core group Hematology** **2009, 2011-2013**
  - Prepared MCQs to conduct examinations and prepared MCQ bank.
  
- **Examiner for Certificate in Basic Laboratory Sciences (CBLs).** **2012, 2013**
  - Conducted training, delivered lectures to all the students and conducted examinations as a content expert
  
- **Member of MCQ core group MD Obstetrics and Gynecology Part I** **2012**
  - Prepared MCQs in Hematology relevant to obstetrics and gynecology to conduct examinations

## **VISITING LECTURER**

### **POSTGRADUATE SUPERVISION**

- Department of Chemistry, University of Colombo, Sri Lanka  
**Chief supervisor for an MSc Program** **2010-2011**
  
- Faculty of Information Technology, University of Moratuwa, Sri Lanka  
**Evaluated MSc Project Software System Project** **2009**
  - Title of the project: “Artificial Intelligence Based Medical Decision Support System for Hematology Disease”, for MSc students
  
- **Supervision of MD Hematology Trainees** **2012 to 2016**
  - Supervisor of MD Hematology trainees assigned to the training cluster in Galle, Sri Lanka
  
- **Supervision of Research Projects of Postgraduate Students of MD Hematology**
  - Supervised over ten research projects of trainees in training cluster Galle. Three published full papers in indexed journals.

## **SCHOLARLY CONTRIBUTIONS**

### **INTERNATIONAL**

- **Co-chair:** European Hematology Association (EHA) Sri Lanka College of Hematologists (SLCH) **Tutorial** on “Hematological Disorders” held in Colombo **2022**
  - This International collaboration as the president of SLCH is a milestone in Hematology discipline in Sri Lanka as the first international program conducted in Sri Lanka.

- **Invited speaker:** Regional Hematology update at the European Hematology Association – Indian Society of Hematology and Blood Transfusion (EHA-ISHBT) tutorial on hematological disorders; session 4.
  - Title of the lecture delivered: ‘Hematology Practice in High Volume, Resource Constrained Settings - Sri Lankan Perspectives’. **Chandigarh, India** February **2020**
- **Panelist:** Highlights of past European Hematology Association (EHA) (HOPE ASIA 2019).
  - Session: Iron Deficiency Anemia, Panel discussion on Iron Refractory Iron Deficiency Anemia (IRIDA) 2019. **Kolkata, India** (August **2019**)
- **Moderator:** Highlights of American Society of Hematology in Asia Pacific (HOAP).
  - Session on Myelodysplastic Syndrome at, Bali, Indonesia March **2018**
- **Co-chair:** European Hematology Association and Sri Lanka College of Hematologists ((EHA-SLCH)
  - Tutorial on “Lymphoid Malignancies, Multiple Myeloma, Bone Marrow Failure” held in **Colombo 2017**
- **Invited speaker:** IV Eurasian Hematology forum XXI Oncopathology seminar, clinical Hematology; Andrey A. Novic memorial symposium session 1.
  - Title of the Lecture Delivered: “Bridging the Gaps – From Bench to Bedside”. **St Petersburg, Russia** March **2016**
- **Invited speaker:** IV Eurasian Hematology forum XXI Oncopathology seminar clinical Hematology; session on acute myeloid leukemia at Andrey A. Novic memorial symposium.
  - Title of the Lecture Delivered: ‘Management of acute myeloid leukemia in Sri Lanka’. **St Petersburg, Russia** March **2016**
- **Invited speaker:** Workshop on “Laboratory professional day” organized by Lister Metropolis India.
  - Title of the Lecture Delivered: “Technical competence on machine vs. man” **Chennai, India.** April **2009**
- **Member of the Team (Invited Assessor)** to conduct the international pilot study on the EQUIP 7 standard set by the **Australian** Council on Health care Standards (ACHS) in Sri Lanka **2020**
- **Consultancy** on Laboratory Accreditation and Quality Management to International Organization for Migration (IOM), a UN based international organization to improve quality standards **2018**
- **Consultancy** on quality management as per ISO15189 standard through a project carried out by the IOM for the National Tuberculosis Reference Laboratory (NTRL), Welisara, Sri Lanka **2018**

## SCHORLARLY CONTRIBUTIONS

### NATIONAL

- **Conducted “management of Anemia” educational program** at a rural hospital - Udugama Hospital, Galle, Sri Lanka on 11/10/2019
  - This hospital is a rural base hospital and the program was delivered to educate medical practitioners and nurses on care delivery in anemia in rural settings

- **Developed a Proposal to Establish Hematology Day Centers for the care of patients with Hematological diseases in Sri Lanka in 2017 on behalf of SLCH.**
  - Prepared proposal including structural plan
  - The proposal was accepted by MoH, Sri Lanka, and implemented since 2018 in major hospitals in Sri Lanka
- **Moderated a symposium on anemia conducted for the general public**
  - This was conducted at the 50<sup>th</sup> Anniversary celebrations of the Ceylon College of Physicians at Colombo on 14/07/2017
  - A panel of hematologists answered Hematology related questions of the general public one on one, over two hours and moderated full program

### CURRICULUM / NEW COURSE DEVELOPMENT AND REVISION

- **Laboratory Management Certificate Course (LMCC) for Consultant Hematologists**
  - Designed the LMCC curriculum in 2017. This is the first ever similar course developed in Sri Lanka
  - The LMCC program was developed in 2017/18 period and in 2019, fully accepted by Council of SLCH
  - Conducted the first LMCC for 32 Consultant Hematologists for the first time in Sri Lanka in year 2020/21
  - Chaired the LMCC course and delivered some lectures related to quality management
- **Training program for Medical Officers in Hematology**
  - Content expert for developing this training program
  - The training program was officially accepted by MoH as a mandatory program for Medical Officers recruited to Hematology Units in Sri Lanka in 2018
  - Delivered lectures on Laboratory Quality Assurance and Clinical Audit in successive two programs conducted to date
- **Revision of MLT Diploma curriculum Ministry of Health (MoH) 2013**
  - Participated as a content expert
- **Introduction of BSc Medical Laboratory Services (MLS) Degree Program.**
  - Played a key role in curriculum development and establishment of BSc MLS Degree Program and AHSDP in FoM, UoR from 2008 to 2015
  - Served as coordinator/liaison of units hematology, transfusion medicine, laboratory management basic genetics and molecular biology
  - Developed the curriculum of all these units
  - Conducted teaching and examinations of these units since inception until 2015
- **BSc MLS Degree Program Curriculum Revision**
  - Played a major role in curriculum revision in BSc MLS degree in the 2011-2014 period to make it a 3+1 program
  - Introduced Andrology, Animal Research and Biotechnology components in the revised curriculum
- **Pathology curriculum revision, FoM, UoR**
  - Contributed on Curriculum Revision in Pathology
  - Introduced new Hematology curriculum, Interactive Data Interpretation Practical in Hematology
  - Introduced formative assessment in Clinical Pathology

- Participated in curriculum revisions in FoM, UoR since 2003 to date.
- **Curriculum revision Hematology**, Faculty of Medicine, University of Jaffna (UoJ), Sri Lanka 2022
  - UoJ transformed the traditional curriculum in to modular, semester based student centered teaching learning program
  - Introduced healthcare quality, safety and health care economics in relation to hematology diagnostics
- **Accreditation module development** in MSc degree program at the University of Peradeniya, Sri Lanka
  - Commenced in year 2022 and is in progress
- **Curriculum Development (Hematology) and Revision (Pathology)** Faculty of Medicine, University of Sabaragamuwa, Sri Lanka **2021**
- **Curriculum Revision** MD clinical Hematology PGIM, UoC, Sri Lanka **2020**
- **Curriculum Revision** - Diploma in Hematology PGIM, UoC, Sri Lanka **2017, 2020**
- **First curriculum revision** of BSc MLS AHSDP University of Jaffna, Sri Lanka **2019**
- **Member of the expert panel** to Design a Curriculum in MD in Molecular Pathology
  - Postgraduate Institute of Medicine, University of Colombo **2015 – 2017**
  - The curriculum developed and submitted in 2017. Key contributions were made to Hematology section of the program

#### KEY COMPETENCIES/ SKILLS

- |  |  |   |
|--|--|---|
| ● Good command of English speech and writing | ● Audit and Accreditation                      | ● Prioritizing                                |
| ● Public speaking in English and Sinhala     | ● Program Review                               | ● Budgeting & Planning                        |
| ● Teaching                                   | ● Ethics Review                                | ● Consultative Hematology – Benign Hematology |
| ● Student Evaluation                         | ● Curriculum Design, Review and Implementation | ● Diagnostic Hematology – Morphometry         |
| ● Mentoring                                  | ● Leadership                                   | ● Networking                                  |
| ● Strategic Planning                         | ● Technical Evaluation                         |   |
| ● Laboratory Design                          | ● Troubleshooting                              |   |
| ● Quality Management                         | ● Root cause analysis                          |   |
|  | ● Group facilitation                           |   |

#### POSTS HELD AT NATIONAL LEVEL

These positions provided a greater networking opportunity and in many instances able to deliver very successful spontaneous speeches in different forums leading to success in collaboration, convincing or obtaining approval for functions related to following associations.

- **President, Ruhuna Faculty of Medicine Teachers Association (RFMTA)** **2020**
  - Pioneered the development of Academic Accountability and Workload Model tailor-made to FoM, UoR

- Raised and distributed funds to medical undergraduates in need and their families, during the COVID lockdown period
- **President, Sri Lanka College of Hematologists (SLCH) 2017**
  - Conducted the first ever International Conference in Hematology in Sri Lanka as a collaborative program with European Hematology Association, and Co-chaired the program
  - Obtained funding and sponsorships through unconditional grants from private sector institutions to conduct EHA SLCH tutorials (> LKR five million) which enabled conducting the program at a nominal registration fee
  - Developed a proposal to establish Day Centers in Hematology in Sri Lanka. This proposal was accepted and implemented in 2018
  - Prepared policy documents related to conduct of conferences, organizing common events, and providing research funds
  - Closely worked with Ministry of Health, Regional Directorate of Health Services to uplift health care, quality and safety in hematology practice by participating in all the statutory meetings regularly and providing active and constructive suggestions
- **President, Ruhuna University Medical School Alumni Association (RUMSAA) 2012**
  - Successfully organized a fund raising program and donated critically needed books to the Medical Library for undergraduate education (worth LKR 0.5 million)
- **Joint Secretary, Galle Medical Association, Sri Lanka 2009**
- **Joint Secretary, Sri Lanka College of Hematologists 2008**
- **Treasurer, Ruhuna University Alumni Association 2007-2008**
- **Vice president, Galle Medical Association 2022/2023**

#### MEMBERSHIP IN PROFESSIONAL BODIES

- Life member Sri Lanka Medical Association (SLMA) Since 1996
- Life Member Galle Medical Association (GMA) Since 1996
- Life Member Ruhuna University Medical School Alumni Association (RUMSAA) Since 1996
- Life Member Federation of Ethics Review Committees Asia Pacific (FERCAP) Since 2012
- Life Member Sri Lanka College of Hematologists (SLCH) Since 2006
- Member of British Society of Hematology 2019, 2020, 2021

#### AWARDS

- **Excellence Achievement Award** for Healthcare Quality Accreditation, Medical and Allied Health Science Education in recognition of Distinguished Service performed with dignity and dedication to the humanitarian principals of Human Rights Organization of Sri Lanka **2021**
  - This was awarded following an independent evaluation by a committee comprising of multiethnic, multi-religious leaders of human rights organization considering national level contributions, evidence on ethical conduct and the respect for humanitarian principles of human rights organization

- **Best Poster** at Annual Academic sessions SLCH 2021. Nilakshini MASL, **Wickramaratne KAC**.
  - Phase Contrast Microscopy in Reporting Anisopoikilocytosis in Stained Blood Smears; A Pilot Study. Program book, Pages 53-54. Poster no. PP 12 **2021**
- **Best Oral Presentation**. 18<sup>th</sup> Annual Academic Sessions of SLCH 2017. LS Basnayake, **KAC Wickramaratne**, MGM Mohotti.
  - Use of retained patient samples to assure internal quality control of FBC in hospital setting. Haem Icon 2017. Abstract no.: 4 **2017**
- **Merit Award for Poster** at Ruhuna University Faculty of Allied Health Sciences Annual Research Symposium. Wijewickrama DC, **Wickramaratne KAC**.
  - Appropriateness of Using Patient Data for Calculation of Reference Intervals for Complete Blood Count (CBC) in the Elderly Population. Abstract no: RuFARS/2022/2 **2022**

### CONTENT EXPERT IN WORKSHOPS, SEMINARS, TRAINING PROGRAMS, SCIENTIFIC SESSIONS AND SYMPOSIA

For most of the programs, participated as an **honorary speaker** which demonstrates the **commitment, experience and communication and public speaking skills**.

### AT THE POST GRADUATE INSTITUTE OF MEDICINE (PGIM), UNIVERSITY OF COLOMBO (UoC)

- **Virtual Seminar on Quality Assurance** for Postgraduate Trainees in Hematology **Nov 2022**  
Titles of the lectures delivered, all on virtual platforms:
  - Quality Management, Quality Objectives, Quality Indicators, Quality Planning for Accreditation and Quality Improvement
  - Assuring quality of environment, manual and automated coagulation testing, pre and post analytical phase, Alternative IQC and Implementation of EQA
  - Performance Verification Procedure of Automated Analyzers
- **Virtual Seminar on Quality Assurance** for Postgraduate Trainees in Hematology **Mar 2022**  
Titles of the lectures delivered, all on virtual platforms:
  - Quality Indicators, Quality Targets for Accreditation and Quality Improvement
  - Safety Requirement and Material Safety Datasheet
  - Performance Verification Procedure of FBC and Coagulation Analyzer
- **Virtual Seminar on Quality Assurance** for Postgraduate Students in Hematology **Oct 2021**  
Titles of the lectures delivered, all on virtual platforms:
  - Quality of Coagulation Laboratory in Relation to Reagent Verification, Optimization of Internal Quality Control, Intermediate Checks, and Manual prothrombin time test
  - CBC/FBC in Relation to Measurement Uncertainty, Uses of CV% in Quality Management, Use of Patient Samples in IQC and Traceability of Measurement
  - How to Establish a Comprehensive IQC Program for CBC/FBC in Your Laboratory
  - How Would You Ensure Continual Improvement in Your Laboratory?

- Accreditation as a Tool for Standardization and Harmonization in Hematology Diagnostics.
- **Virtual Seminar on Quality Assurance** for postgraduate trainees in Hematology **Feb 2021**  
Title of the lecture delivered: 'Laboratory Quality Management'
- **Seminar on Quality Assurance** held on virtual platform **Nov/Dec 2020**  
Titles of the lectures delivered:
  - Understanding the question and giving a proper answer
  - Routine hematology
  - Quality assurance
  - Coagulation
  - Safety
- **Post Graduate Diploma in Clinical Hematology Training Program** **January 2018**  
Title of the lecture delivered: 'Quality Assurance'.
- **Seminar on Quality Assurance** **December 2018**  
Titles of the lectures delivered:
  - Performance Verification of Automated Hematology Analyzer
  - Implementation of IQC Program Using Patient Samples
  - Traceability
  - Performance Verification of Coagulation Analyzer
  - Implementation of IQC Program for Coagulation Using Commercial IQC Material
  - Assuring Quality in Platelet Function Assays and Flowcytometry
  - POCT in Hematology
- **Seminar titled 'Quality Assurance'** for Post Graduate Diploma in Clinical Hematology **February 2016**  
Titles of the lectures delivered:
  - Quality Management in Hematology Pre-analytical/Analytical and Post-analytical Phases
  - Equipment Specifications, Installation, Post-installation Verification of Performance
  - Troubleshooting in Hematology
  - Accreditation ISO 15189
  - IQC/EQA Alternative Methods and Monitoring
- **Seminar for post graduate Diploma in clinical Hematology** **December 2016**  
Title of the lecture delivered: Quality Assurance
- **Seminar on Quality Assurance** **January 2015**  
Titles of the lectures delivered:
  - Quality management in FBC testing
  - Process and procedures in post analytical phase in testing which can affect hematological tests critically
  - Quality management in FBC testing
- **Seminar on Quality Assurance and Quality Control** for Diploma in Clinical Hematology trainees. July **2013**

- **Diploma in Physiology Program** **2017 and 2019**  
Titles of the lectures delivered:
  - Innate and acquired immunity
  - Immune surveillance of tumor antigens
  
- **Diploma in Legal Medicine Program** **2013 and 2014**  
Title of the lecture delivered:
  - Thrombosis and Embolism
  - Endocrine Disease – Effects of Diabetes on Organs
  
- **Seminar in Automation, Quality Control and Quality Assurance** organized by PGIM, UoC for the trainees in Diploma in pathology new curriculum.  
Teaching Hospital, Peradeniya, Sri Lanka **August 2011**  
Title of the lecture delivered:  
Assuring Quality in Pre-analytical Phase
- **Certificate in Basic Laboratory Sciences (CBLS)**
  - 2009 and 2010 Titles of the lectures delivered: Basic concepts of accreditation, Management of laboratory resources, Correlation of genetic aberration to disease phenotype, Common chromosomal disorders and their phenotypic relationship.
  - 2011, 2013 – 2017 Titles of the lectures delivered: Basic concepts of laboratory accreditation, Basics of quality management, Management of laboratory resources.
  - 2018 – 2022 Title of the lecture delivered: Laboratory Management

#### **AT PROFESSIONAL COLLEGES FOR MEDICAL PROFESSIONALS**

- **A series of virtual lectures** conducted for the Sri Lanka College of Hematologists under the theme quality management and accreditation. **Aug 2022 onwards**  
All the participants were hematologists. The topics covered in each session are listed below
  - Crisis situation and related laboratory improvements
  - Introduction to accreditation
  - ISO 15189 - Organization and Management requirements
  - Quality Manual, Document control & accommodation and environment
  - Document control & accommodation (with service agreement 4.4, examination by referral laboratories 4.5 and Equipment 5.3)
  
- **Pre-congress Workshop on Laboratory Hematology** ‘Laboratory pearls in hematology’, at HeamiCon 2022 hybrid conference, Annual Academic Sessions 2022 SLCH.  
Title of the lecture delivered: “ SLMA Auditorium, Colombo **September 2022**
  
- **Pre-congress Workshop on Laboratory Hematology** at Annual Academic Sessions SLCH HeamiCon 2021 hybrid conference, Annual Academic Sessions 2021.  
Title of the lecture delivered: ‘Alternate methods of quality control in Hematology

laboratory: use of patient data' SLMA Auditorium, Colombo

**November 2021**

- **Pre-congress Workshop on laboratory Hematology** at Annual Academic Sessions SLCH virtual conference  
Title of the lecture delivered: 'Good laboratory practice and laboratory safety' SLMA, Auditorium, Colombo, Sri Lanka **October 2020**
- **13<sup>th</sup> Annual Academic Sessions Uva Clinical Society**  
Title of the lecture delivered: 'Evaluation of thrombocytopenia - when to act'. Provincial General Hospital, Badulla, Sri Lanka **January 2019**
- **Workshop on Hematology Laboratory Technologies.** Annual Academic Sessions of SLCH, HaemICon 2019. Colombo, Sri Lanka **September 2019**  
Title of the lecture delivered:  
Optimization of IQC and EQA in Complete Blood Count
- **Sri Lanka College of Military Medicine Workshop** on 'New trends in laboratory medicine in Sri Lanka' for medical officers and MLTs of tri-forces and police. **September 2018**  
Title of the lecture delivered:  
Optimization of Reliability of Automated FBC Results
- **International Medical Congress, Symposium on Improving Quality Assurance in Laboratories**, organized to commemorate the 125<sup>th</sup> Anniversary of the Sri Lanka Medical Association (SLMA). **July 2012**  
Title of the lecture delivered: Current Quality Assurance Program and Problems in Hematology
- **8<sup>th</sup> Annual conference of South Asian Association of Transfusion Medicine (SAATM)**  
Preconference workshop. National Blood Center, Colombo **December 2012**  
Title of the lecture delivered: Quality Assurance in Laboratory Testing
- **National Seminar on New dimensions for Testing Laboratories** conducted by SLATL at 13<sup>th</sup> Annual General Meeting of SLATL. **2011**  
Title of the lecture delivered: Emerging National Requirements in Medical Testing
- **122<sup>nd</sup> Annual Scientific Sessions of SLMA** Symposium on Laboratory Standards  
Titles of the lectures delivered: Technical Aspects of Laboratory Accreditation **March 2009**
- **Pre-congress Workshop "Laboratory Pearls in Hematology"**. Annual Academic Sessions SLCH. Colombo, Sri Lanka. **September 2022**  
Title of the lecture delivered: Small Things to Prevent Big Errors in a Hematology Laboratory
- **Symposium** on Clinical Pearls for Managing Common Ailments, Foundation Sessions of SLMA. Colombo, Sri Lanka **October 2017**  
Title of the lecture delivered: Management of Anemia
- **Symposium on Hematology** at 30<sup>th</sup> Annual Scientific Sessions of Physiological Society of Sri Lanka (PSSL). FoM, UoC. **November 2017**

Title of the lecture delivered: Womb to Room - The Physiological Changes in Hematology

- **The Specialty Update Program** – update on Hematology organized by the Ceylon College of Physicians (CCP). SLMA, Colombo. **November 2014**  
Title of the lecture delivered: Automated FBC report: A Preliminary Investigation with Many Possibilities
- **Post Congress Workshop on Critical Care Medicine** jointly organized by GMA and SLMA. FoM, UoR **October 2010**  
Title of the lecture delivered: Disseminated intravascular coagulation FoM, UoR
- **SLCH Annual Academic Sessions, Symposium on Autoimmune Disorders** **August 2008**  
Title of the lecture delivered: Autoimmunity, Hematological Diagnosis
- **Symposium on Refractory Anemia** at 7<sup>th</sup> Annual Academic Sessions of SLCH **Dec 2007**  
Title of the lecture delivered: Congenital Refractory Anemia
- **20<sup>th</sup> Annual Scientific Sessions, Sri Lanka College of Microbiologists**, Symposium 3 on Quality Assurance and Accreditation of Medical Laboratories. **September 2011**  
Title of the lecture delivered: Emerging Needs in Laboratory Assessment
- **14<sup>th</sup> Annual Scientific Sessions of Anuradhapura Clinical Society (ACS), Sri Lanka**  
Title of the lecture delivered: What is Hidden in Automated CBC Reports **March 2022**
- **Hematology update** jointly organized by SLCH in collaboration with Anuradhapura clinical society. Teaching Hospital, Anuradhapura, Sri Lanka **August 2018**  
Titles of the lectures delivered: Interpretation of FBC Facts and Pitfalls, Role of Sample Quality in Accurate Diagnosis, Accreditation and Quality Management in Hematology
- **Hematology update** jointly organized by SLCH in collaboration with Batticaloa Medical Association. Teaching Hospital, Batticaloa, Sri Lanka **April 2018**  
Titles of the lectures delivered: Interpretation of FBC Facts and Pitfalls, Role of Sample Quality in Accurate Diagnosis, Accreditation and Quality Management in Hematology
- **Inaugural Scientific Sessions of Sri Lanka College of Military Medicine 2017**; Pre-congress workshop on update on **Bleeding and Thrombosis**. **March 2017**  
Title of the lecture delivered: An Overview of Hemostatic System
- **National Seminar on Waste Disposal** **May 2008**  
Title of the lecture delivered: Clinical Waste Disposal - The Reality  
Organized by Sri Lanka Association of Testing Laboratories
- **National awareness seminar** on Medical testing laboratory waste management and new regulations'. Organized by Sri Lanka Association of Testing Laboratories **August 2008**  
Title of the lecture delivered: Clinical Waste Disposal - The Reality

## AT MEDICAL/ HEALTH INSTITUTES FOR DOCTORS, NURSES AND LABORATORY TECHNICAL OFFICERS

- **Virtual Workshop on Quality Assessment in Hematology** **September 2021**  
Medical Research Institute, MoH, Colombo, Sri Lanka  
Title of the lecture delivered: Quality Assurance in Coagulation
- **National External Quality Assurance Scheme in Hematology (NEQASH)**, workshop on 'introducing the web-based application for NEQASH' on 10/08/2018 at MRI, Colombo
- **Session on 'Assuring Quality in Clinical Sample – Issues in Pre-analytical Phase of Lab Investigations'** in the workshop in collaboration with the Teaching Hospital Jaffna, Sri Lanka, on issues related to pre-analytical phase of laboratory investigations. **January 2017**
- **Workshop on Quality Assurance in Hematology** **July 2017**  
Medical Research Institute, Colombo, Sri Lanka  
Title of the lecture delivered: Overview of Quality Assurance in Hematology
- **Awareness Workshop on Accreditation of Medical Laboratories** **February 2016**  
Castle Street Hospital for Women, Colombo, Sri Lanka.  
Title of the lecture delivered: Accreditation of Medical Laboratories
- **Workshop on Quality Control in Hematology** **August 2015**  
SLCH for medical laboratory technicians and scientists, MRI, Colombo, Sri Lanka  
Titles of the lectures delivered:
  - IQC Alternative Methods a Laboratory Can Apply
  - Effective Use of Inter-Laboratory Comparison in Hematology
- **Training Program on Accreditation of Laboratory Services** as per ISO 15189 for the laboratory staff of Lady Ridgeway Hospital for Children (LRH), Colombo. Conducted training program on technical requirements in ISO 15189 standard. **October 2015**
- **Workshop on Creating Awareness on Laboratory Accreditation** based on ISO 15189 2007/2012 conducted by Regional Directorate of Health Services Gampaha, and Department of Pathology, District General Hospital Gampaha. **May 2015**  
Title of the lecture delivered: Competency Measurement Traceability and Quality Assurance.
- **Workshop on Quality Management in Hematology** **October 2014**  
Colombo, Sri Lanka  
Titles of the lectures delivered:
  - Trouble Shooting in FBC and Coagulation
  - Internal Quality Control
- **Seminar on quality assurance** for MLTs and TOs from Universities and private sector

hospitals. Durdans Hospital, Colombo, Sri Lanka

**April 2014**

Titles of the lectures delivered:

‘Quality Management in Analytical Phase Hematology (ESR, FBC, PT/APTT),  
IQC and EQA

IQC Alternative Methods a Hematology Laboratory Can Apply, Post Analytical Phase,  
IQC and EQA in Coagulation Testing and Troubleshooting in Routine Hematology’

- **Introductory Program/ Workshop of National External Quality Assurance scheme in Hematology (NEQASH).** Medical Research Institute, Sri Lanka **June 2012**  
Title of the lecture delivered: Introduction of Quality Assurance System (QAS) and Quality Control in Hematology and Accreditation of Laboratory Investigations
- **One day training program titled ‘Awareness Program on Medical Laboratory Accreditation ISO 15189: 2007’,** Southern Province Program. Galle, Sri Lanka **Nov 2012**
- **Workshop on Creating Awareness on Laboratory Accreditation** based on ISO15189:2007 conducted by the Provincial Directorate of Health Services North Western Province, Kurunegala, Sri Lanka. **November 2012**  
Title of the lecture delivered: Competency Measurement Traceability and Quality Assurance
- **Workshop of National External Quality Assurance Scheme in Hematology (NEQASH) Medical research Institute, Colombo, Sri Lanka** **November 2012**  
Title of the lecture delivered: Application of Alternative Methods in Internal Quality Control in FBC
- **Workshop on Introducing Accreditation to Government Sector Medical Laboratories** Provincial Hospital, Ratnapura, Sri Lanka **May 2011**  
Title of the lecture delivered: Factors Influencing Quality and Reliability of Medical Test Reports
- **Workshop on Hemophilia** organized by SLCH Teaching Hospital, Peradeniya, Sri Lanka **December 2017**  
Title of the lecture delivered: Hemophilia Diagnosis – Assuring Quality of Laboratory Tests
- **Post Graduate Teaching Forum** organized by Galle Extracorporeal Life Support Organization (GELSO). Cardiothoracic Unit, Teaching Hospital, Karapitiya, Galle, Sri Lanka. **May 2017**  
Title of the lecture delivered: Introduction to Hemostasis
- **Cancer Institute Maharagama (CIM),** Colombo, Sri Lanka **March 2007**  
Title of the lecture delivered: Research in Leukemia
- Southern Regional **Workshop on New Trends in Laboratory Medicine** in Sri Lanka organized by College of Chemical Pathologists of Sri Lanka in collaboration with Department of Health Services, Southern Province, Sri Lanka **February 2018**  
Title of the lecture delivered: Trouble Shooting Pre-Analytical Phase in Hematology

- Northern Regional **workshop on new trends in laboratory medicine** in Sri Lanka organized by College of Chemical Pathologists of Sri Lanka in collaboration with Provincial Directorate of Health Services, Northern Province, Sri Lanka **June 2018**  
Title of the lecture delivered: Troubleshooting in FBC

**AT SRI LANKA ACCREDITATION BOARD (SLAB) FOR SPECIALISTS, LABORATORY MANAGERS, LABORATORY DIRECTORS, LABORATORY TECHNICIANS, ACADEMICS AND QUALITY MANAGERS FROM INDUSTRY**

- **Online Training Program** for personnel attached to sample collection centers based on ISO 15189:2012. Sri Lanka Accreditation Board. **November 2021**  
Title of the lecture delivered:
  - Basic Needs, Accepted Norms and Pre-Examination Process for Hematology in Sample Collection Centers
- **General Awareness Training Program** on Medical Laboratory Accreditation based on ISO 15189:2012. Sri Lanka Accreditation Board **January 2019**  
Titles of the lectures delivered:
  - Technical Requirements for Quality and Competence in Medical Laboratories
  - Pre-Analytical and Post Analytical Procedures
  - Quality Control, Quality Assurance and Inter-Laboratory Comparisons
  - Laboratory Equipment, Traceability, Calibration and Uncertainty of Measurement
  - Corrective Action, Follow-up and Continual Improvement on ISO 15189: 2012
- **National Training Program** on Implementation of ISO 15189: 2012 in Hematology Testing Laboratories. Sri Lanka Accreditation Board **May 2019**  
Titles of the lectures delivered:
  - Personnel, Accommodation and Environmental Conditions, Laboratory Equipment, Reagents and Consumable Requirements, Pre-examination to Post Examination Requirements, Reporting, Releasing Results and Laboratory Information Management
- **General Awareness Training Program** on medical laboratory accreditation based on ISO 15189:2012. Sri Lanka Accreditation Board **January 2018**  
Titles of the lectures delivered:
  - Pre-analytical and Post Analytical Procedures
  - Quality Control, Quality Assurance and Inter-laboratory Comparisons
  - Laboratory Equipment, Traceability, Calibration and Uncertainty of Measurement
- **Training Program on ISO 15189: 2012** Development of Quality Manual, Technical Requirements and Development of Method Manual, Operating Procedures and Instructions. **July 2018**  
Titles of the lectures delivered:
  - Technical requirement clause 5 of ISO 15189, Development of quality manual technical requirement, Development of method manual, operating procedures and instructions
- **World Accreditation Day Program 2018**; National seminar “Delivering a Safer World” organized at the World Accreditation Day by SLAB in collaboration with United Nations

Industrial Development Organization (UNIDO) under the framework of EU-Sri Lanka trade related assistance. **June 2018**

Title of the lecture delivered:

- Progress of Accreditation in Health Service Sector - The Way Forward

- **Training Program on Medical Laboratory Accreditation** based on ISO 15189:2012. Sri Lanka Accreditation Board **April 2017**

Title of the lecture delivered:

- Implementation of Technical Aspects in Hematology Laboratories

- **Training Program on Medical Laboratory Accreditation** based on ISO 15189:2012 Sri Lanka Accreditation Board **September 2017**

Title of the lecture delivered:

- Implementation of Technical Aspects in Hematology Laboratories

- **Training Program on Medical Laboratory Accreditation** based on ISO 15189:2012 Sri Lanka Accreditation Board **November 2017**

Title of the lecture delivered:

- Implementation of Technical Aspects in Hematology Laboratories

- **Training Program on Medical Laboratory Accreditation** based on ISO 15189:2012 Sri Lanka Accreditation Board **December 2017**

Title of the lecture delivered:

Technical Requirements for Quality and Competence in Medical Laboratories

- **Training on Medical Laboratory Accreditation** based on ISO 15189:2012 Sri Lanka Accreditation Board **July 2016**

Titles of the lectures delivered:

- Pre-analytical and Post Analytical Procedures, Quality Control, Quality Assurance and Inter Laboratory Comparisons, Laboratory Equipment Traceability, Calibration and Uncertainty of Measurement in Relation to Hematology.

- **Training Program on Medical Laboratory Accreditation** based on ISO 15189:2012 Sri Lanka Accreditation Board **February 2015**

Title of the lecture delivered:

- Technical Requirements for Quality and Competence in Hematology Laboratories

- **Training Program on Internal Auditing** of Laboratory Management Systems based on ISO 15189:2012. Sri Lanka Accreditation Board **May 2012**

Title of the lecture delivered:

- Technical Requirements Clause 5 ISO 15189:2012

- **Training Program on Internal Auditing** of Laboratory Management System Sri Lanka Accreditation Board **November 2014**

Title of the lecture delivered:

- Technical Requirements Clause 5 of ISO 15189 in Hematology Laboratories

- **Training Program on ISO 15189: 2012** Internal Auditing of Laboratory Management Systems  
Sri Lanka Accreditation Board **September 2020**  
Title of the lecture delivered:
  - Technical Requirements – Clause 5 of ISO 15189
- **Resource Person Content Expert and one of the Coordinators/Organizers:** Workshop organized by SLCH for MLTs of MoH and TOs of Universities on Quality Assurance in Hematology. Sri Lanka Accreditation Board **August 2013**
- **Workshop on Managing Sample Collection Centers as per ISO 15189**  
Sri Lanka Accreditation Board **March 2011**  
Titles of the lectures delivered:
  - Establishment of a Sample Collection Center, Basic Needs and Accepted Norms
  - Sample Collection Manual
  - Instructions and Standard Operating Procedures
  - Collection, Separation and Storage of Samples

#### **GRANTS MANAGEMENT AND REVENUE GENERATION**

- Obtained a LKR 1.5 million research grant to carry out a **Research on Lung Functions** from **Chrysolite Information Center 2017/18**. Research was completed and three peer reviewed abstracts were presented. Manuscript is being prepared.
- Revenue generated to Department through
  - two workshops conducted on research methodology
  - elective students program
 Revenue generated through these programs were used to fund purchasing of equipment to improve teaching facilities in the Department
- Person in charge of activity to ‘improve the work output of the staff’ through World Bank project Improving Relevance and Quality of University Education (IRQUE) conducted in **2007**. Key tasks were to plan and implement staff training programs for both academic and nonacademic staff, establishment of learning materials preparation unit (LMPU), etc. Performed and managed activities over LKR 3million and provided funding for the Post graduate studies of first ever lecturer in medical education to implement medical education unit.
- Successfully contributed to the Faculty proposal to obtain over LKR 2 million worth grants through the project ‘Accelerating Higher Education Expansion and Development (**AHEAD**)’ a World Bank funded Sri Lankan government operation to support the higher education in **2019/2020**
- **Chairperson World Bank proposal submission committee, FoM, UoR** **2022**  
Prepared four proposals to obtain world bank funding under the theme to improve opportunities for higher education. The proposals were submitted and is being evaluated.

The proposal focused four key areas

- Obtaining equipment and furniture to Professorial ward complexes being built to improve patient care and undergraduate clinical teaching.  
Estimated Budget LKR 400 million
- Obtaining equipment and to develop infrastructure of reference research and diagnostic laboratory to improve service function, generate revenue, increase research output and postgraduate research programs, international and national collaborations.  
Estimated budget – LKR 700 million
- To renovate existing laboratories and to equip them to cater parallel teaching, practical teaching, improved online and virtual teaching and to facilitate practical examinations with increased students intake (projected to increase this year to 300 students)  
Estimated Budget – LKR 300 million
- Sustainable energy and green concept establishment through installation of roof- solar panels.  
Estimated budget – LKR 200 million

## PUBLICATIONS

### MANUSCRIPTS AND SCIENTIFIC JOURNALS

- Nilakshini MASL, **Wickramaratne KAC**, Wijewickrama DC.  
Optical Phase Contrast Microscopy in Reporting Anisopoikilocytosis in Stained Blood Smears; A Pilot Study.  
Galle Medical Journal. Volume 27: No 1. **March 2022.**
- Thamudika Vithanage, Visaka Ratnamalala, **Chandana Wickramarathne**, Gaya Katulanda, Chitramali Rodrigo.  
Prevalence of Cardiovascular Disease and Risk Factors in Adult Patients with Hemophilia; A Cross Sectional Study in a Tertiary Care Hospital Clinic in Sri Lanka.  
BMC Cardiovascular disorders (**2022**) 22:343
- Saman Hewamana, Prasanna Gunasena, Chathuri Jayasinghe, Thurairajah Skandarajah, Mahesh Harischandra, Sobitha Abeyaratne, Lalith Ekanayake, Gnani Somasundaram, Surjit Somiah, Vadivelu Srinivasan, Gehan Arseculeratne, Neomal Perera, Jayindra Fernando, Mazhar Faiz, Nihal Munasinghe, Ashfaq Mowlana, Samadhi Deshapriya, Supun Mawathakubura, **Chandana Wickramarathna** et al.  
Response and Survival Estimate of Patients with Plasma Cell Myeloma in a Resource Constrained Setting Using Protocols from High Income Countries; Single Center Experience from Sri Lanka.  
JCO Global Oncology an American Society of Clinical Oncology Journal **June 2022**;  
8:e2100352. doi:10.1200/GO.21.00352
- **Wickramaratne KAC**, Wijewickrama DC.  
Screening for Beta Thalassemia Trait; Applicability of Red Cell Indices and Parameters. A study in Sri Lanka  
International Journal of Health Sciences (QUASSIM) (IJHS) vol 15, issue 1 **Jan/Feb 2021.** pp

- Saman Hewamana, Lakmali Kandabadage, Thurairajah Skandarajah, Natasha Pieris, Eranga Perera, Mahesh Harischandra, Ananda Wijewickrama, **Chandana Wickramarathna**, et al. Applicability of Western Protocols in Resource Limited Setting: Real-World Data of Long-Term Outcome of Intensive Treatment of Adult Acute Myeloid Leukemia in Sri Lanka. eJHaem. Vol 2, issue 3. **August 2021**; 555–561. DOI: 10.1002/jha2.191
- **Wickramaratne KAC**, Wijewickrama DC. Use of Patient Data in Calculation of Reference Values for Complete Blood Count Parameters; How Reliable? Scand J Clin Lab Invest. **Oct 2021**; 81(6):475487. doi: 10.1080/00365513.2021.1949745
- **Wickramaratne KAC**, JKD Wijegunawardena, Wijewickrama DC. Manual Immature Reticulocyte Fraction: a Surrogate Marker to Assess Post Traumatic Blood Loss. Galle Medical Journal. Volume 26, No.4: 158163. December 2021.
- Riyaz FR, **Wickramaratne KAC**, Bandarnayaka KO, Chathuranga BAG, Wijewickrama DC, Wijesundara CR. Haematological Characteristics in Patients with Chronic Kidney Disease Attending a Tertiary Care Hospital in Sri Lanka. Ruhuna Journal of Medicine, Dec 2021, vol 9, No 1, 4050.
- **Wickramaratne KAC**, Wijewickrama DC. Gaps in Knowledge, Attitudes and Practices on Medical Laboratory Safety Among Technical Officers in Faculty of Medicine, University of Ruhuna. Ruhuna Journal of Medicine, Nov 2020, vol 8, No 1, 5662.
- Siriwardana TMKC, Mohotti M, **Wickramaratne KAC**. Usefulness of Granulocyte Parameters for Diagnosis of Sepsis Among Patients with Systemic Inflammatory Response. SLJH 2019, vol 11; issue 2 pp 20-27
- **Wickramaratne KAC** Perspective: Road to Reliability in the Coagulation Laboratory The Sri Lanka Journal of Hematology. vol 11; issue 2: **December 2019**
- **Wickramaratne KAC** The effect of C Kit and NPM1 Mutations on Myeloblast Proliferation and Differentiation Ruhuna Journal of Medicine **2014**, 2 (1), 3440
- **Wickramaratne KAC**. Leading article: Standardization and Harmonization of Hematology Diagnostics

Journal of Sri Lanka College of Hematologists. **2012 August**, 4 (1) 39.

- **Wickramaratne KAC.**  
Thrombophilia Screening Leiden Experience  
The Sri Lanka Journal of Hematology. Vol 2; December **2007**, 2529.

#### PEER REVIEWED ABSTRACTS

- Wijewickrama D.C, **Wickramaratne K.A.C**  
Appropriateness of Using Patient Data for Calculation of Reference Intervals for Complete Blood Count (CBC) in Elderly Population  
Poster presentation at fifth research symposium RuFARS **2022** of Faculty of Allied Health Sciences (FAHS), UoR. Abstract number RuFARS/2022/2.
- Saman Hewamana, Chathuri Jayasinghe, Prasanna Gunasena, Mahesh Harishchandra, Thurairajah Skandarajah, Sobitha Abeyratne, Lalith Ekanayake, Gnani Somasundaram, Surjit Somiah, Wadiwelu Srinivasan, Gehan Arsakularatne, Ashfaq Mowlana, Tharushi Niwanthika, Hasini Weerasekara, Nishani Ruwanika, Samadhi Deshapriya, **Chandana Wickramarathna** et al.  
Feasibility of Transplantation for Myeloma in Resource Constrained Setting; Real World Data on Survival and Cost of Treatment from the First Haemato Oncology Center in Sri Lanka.  
Presented at 48<sup>th</sup> annual meeting (virtual) 19<sup>th</sup> – 23<sup>rd</sup> **March 2022**, European society for Blood and Bone Marrow Transplantation (EBMT). Poster number: PO 46
- **Wickramaratne KAC**, S. Gunawardena, Wijewickrama DC, Karunanayake A, Wijekoon WMCD  
Health Status and Safety Practices of Workers of Asbestos Sheet Manufacturing Factories in Sri Lanka  
Poster presentation at 14<sup>th</sup> International Research conference held on 09<sup>th</sup> and 10<sup>th</sup> **September 2021** at KDU, Sri Lanka. Paper ID: 500
- Thamudika Vithanage, Visaka Ratnamalala, **Chandana Wickramaratne**, Gaya Katulanda, Chithramali Rodrigo.  
Prevalence of Cardiovascular Disease and Risk Factors Among Adult Patients with Hemophilia, an Experience a Tertiary Care Hospital Clinic in Sri Lanka  
British Journal of Hematology 2021, 193, (Suppl.1), 217. Annual scientific meeting, British Society of Hematology 2021. 25/28 **April 2021**. Poster no. BSH 2021PO249
- Nilakshini MASL, **Wickramaratne KAC.**  
Phase Contrast Microscopy in Reporting Anisopoikilocytosis in Stained Blood Smears. A Pilot Study  
Program book, Annual Academic sessions SLCH. 12/13 **November 2021**. Pages 5354.  
Poster no. PP 12. **Received Best Poster Award**
- JKD Wijegunawardena, **KAC Wickramaratne**  
Manual Immature Reticulocyte Fraction a Reliable Marker to Assess Post Traumatic Blood

## Loss

Oral presentation at 13<sup>th</sup> International Research conference, General Sir John Kotelawala defense University. 1516 **October 2020**. Abstract no. ID536. Oral presentation no. 38

- FR Riyas, **KAC Wickramaratne**, BAG Chathuranga, KO Bandaranayake, C Wijesundara  
Characterization of Anaemia in Patients with CKD at the National Institute for Nephrology Dialysis and Transplantation  
Poster Presentation. International Conference on Health Sciences **2019**, Faculty of Medical Sciences, University of Sri Jayewardenepura. Abstract no.: pp 51
- **Wickramaratne KAC**, S. Gunawardena, Wijewickrama DC, Karunanayake A, Wijekoon WMCD  
Health Status and Safety Practices of Workers of Asbestos Sheet Manufacturing Factories in Sri Lanka  
Abstract presented at Physiological Society Sri Lanka in **2019**. Abstract no: OP 8
- **KAC Wickramaratne**, Hewage HHLC  
Time Dependent Platelet Changes  
Presented at HABX automated hematology meeting at Christian Medical College, Vellore, **India in 2018**.
- LS Basnayake, **KAC Wickramaratne**, MGM Mohotti  
Use of Retain Patient Samples to Assure Internal Quality Control of FBC in Hospital Setting  
Presented at Haem Icon 2017, 18<sup>th</sup> annual academic sessions of SLCH. 28 **September 2017**. **Best Oral Presentation Award**. Abstract no.: 4
- **Wickramaratne KAC**, Wijewickrama DC, Patabandige M, Udukumbura SJ.  
Knowledge and Practices Among Technical Staff of Faculty of Medicine, University of Ruhuna on laboratory Safety  
Presented at GMA Annual Sessions in **2012**. Poster no. 17
- Siriwardhana ID, **Wickramaratne KAC**  
Is there Harmony in Reporting Units of Biochemistry and Hematology in Accredited Laboratories in Sri Lanka?  
Clinical Biochemistry Reviews. Vol 33, **November 2012**, page 39. Presented at 50<sup>th</sup> annual scientific conference of the Australasian Association of Clinical Bio chemists, Australia. Poster no: P44.
- **Wickramaratne KAC**  
Use of Retained Patient Samples in Verification of Precision of Full Blood Count Test Results in a Private Sector Laboratory  
Presented at 72<sup>nd</sup> Annual Academic Sessions. GMA **2013**. Abstract no. 17.
- DC Wijewickrama, IU Samarasinghe, KG Somasiri, MG Karunadasa, **KAC Wickramaratne**.  
Lung Functions and Respiratory Symptoms of People Living in the Vicinity of a Tire Factory  
Oral presentation. Annual Scientific Sessions of the PSSL. **November 2013**. Abstract no. OP

- Amarasiri AMSS, **Wickramaratne KAC**  
Assessing the Validity of the Three-fold Conversion Between Haemoglobin and Haematocrit for the Determination of Anaemia in Pregnancy  
Proceedings book Medicine, International Research conference, General Sir John Kotelawala Defence University, 21/22 **August 2014**, 2431.
- Sirajul Muneera MY, **Wickramaratne KAC**  
Evaluation of New, No cyanide and Simple method for Blood Haemoglobin Estimation  
Annual Academic Sessions, Faculty of Medicine, University of Ruhuna. **2014**. vol.2, number:1, page 56
- **Kurukula Arachchi CW**  
The Effect of C-Kit 816 Mutation on Differentiation and Proliferation of Myeloblasts  
Presentation. 1<sup>st</sup> Annual Scientific Sessions. Institute of biochemistry, molecular biology and biotechnology, University of Colombo. 2006. Abstract no. 02.

#### CHAPTERS OF BOOKS

- **Chandana Wickramaratne**, Bernadene Fernandopulle  
Quality Assurance for Hematology Laboratory  
Publisher: S Godage & Brothers (Pvt) Ltd, Colombo, Sri Lanka 2021 ISBN: 9786240015530

This book focuses key requirements in quality assurance of laboratories. It is also useful for medical laboratory science students and for laboratory personnel.

#### ARTICLES FOR PUBLIC EDUCATION AND AWARENESS RAISING

- The Quality of the Laboratory Report – Where It Went Wrong?  
Official newsletter of GMA, vol 17 issue 2 **August 2017**
- Assuring Safety Through Accreditation of Medical/ Clinical Laboratories  
SLAB: News Bulletin in vol 5 issue 1 **June 2013**.
- Sample Collection Centers Responsible for Offering a Better Diagnostics Service  
SLAB: News Bulletin, vol 3 issue 1 **June 2011**.
- A Series of Newspaper Articles written on Hematology Tests and Diseases, to disseminate knowledge among general public on Basic Hematology, in one of the leading National Newspaper of Sri Lanka, the Daily Mirror. Articles were included in a special themed section called 'Health Capsule'.
  - 'Medical Laboratory Test Reports – How Reliable? Need for accreditation of all the medical clinical laboratories – a fact which cannot be ignored'. 16/09/**2011** and in 04/07/**2012**
  - Knowing Your Blood Report – Full Blood Count. 21/09/**2018**
  - Knowing Your Blood Report – Taking a Close Look at Coagulation Tests, Coagulation Profile PT, APTT. 26/10/**2018**

- Knowing Your Blood Report – Blood Picture. 05/10/2018
- Bleeding Disorders – When Blood Refuses To Clot. 09/10/2018
- Taking a Close Look at Warfarin Therapy and PT/INR. 30/11/2018
- Ironing Out Doubts on Iron Deficiency Anemia. 13/10/2017

## WORK EXPERIENCE RELATED TO HEMATOLOGY AND LABORATORY MANAGEMENT

- Management of patients (in-patient and out-patient) with myeloproliferative neoplasia, myelodysplastic syndrome, inherited and acquired hemolytic anemia, nutritional anemia, anemia management in chronic disease, rare diseases related to blood and bone marrow, marrow hypoproliferative anemia, preoperative evaluation, thrombophilia, bleeding disorders, in pediatric and adult age groups.
- Provide both consultative and diagnostic hematology services mainly related to benign hematology both in adult and pediatric patients, anemia in pregnancy, and gestational hematological disorders **since 2006**.
- Expertise in carrying out, as well as supervision and implementation of following;
  - Teaching, supervision and implementation
  - Blood smear reporting
  - Cytochemistry including reticulocyte count
  - Phase contrast microscopy for dysmorphic red cells in urine
  - Bone marrow cytology
  - Bone marrow histology and special stains
  - Manual and automated complete blood count, troubleshooting, performance verification and maintenance
  - Automated and manual ESR
  - Osmotic fragility, buccal smear
  - Blood grouping
  - Quality control, performance, evaluation, troubleshooting, monitoring EQA
  - Routine coagulation testing and mixing studies
  - Thrombophilia and hemophilia investigations
  - Laboratory evaluation of bleeding disorders both acquired and inherited
  - Body fluid evaluation
  - Hemoglobinopathy evaluation
  - Method evaluation
  - Budgeting, purchasing and technical evaluation
  - Personnel management including recruitment and performance appraisal
  - Laboratory designing
  - Quality management, Quality indicators and Accreditation
  - Laboratory Assessment for Accreditation
  - Flowcytometry (2015-2016 at LHD)
  - Molecular Diagnostics (2015-2016 at LHD)
  - Visiting Consultant to Ruhunu Hospitals Private Limited, Galle, SL, **since 2007**
  - Served as Head Department of Hematology, Lanka Hospitals Diagnostics (CAP accredited) **2015-2016**
  - Laboratory Director - Manage Hematology Diagnostics Laboratories and provide managerial and administrative services (Part Time) to Ruhunu Hospitals Diagnostics

- (RHD) Galle Sri Lanka, and Lanka Hospital Diagnostics Galle, **since 2007**
- In Training in Pathology and Hematology in NHSL, Teaching Hospital Karapitiya (THK), Galle, National Cancer Hospital (Apeksha Hospital), Teaching Hospital – Hematology Department Peradeniya, National Blood Transfusion service **2000-2004**
- One year of Post MD training at Department of Hematology, THK, Galle, SL **2005**

### LABORATORY PLANNING AND DEVELOPMENT

- Designing and establishment of Laboratories at Allied Health Sciences Degree Program (AHSDP), FoM, UoR, SL (Mahamodara) **2008-2009**
- Designing and establishment of Laboratories at Uluvitike, AHSDP, FoM, UoR **2010-2013**
- Designing of Ruhunu Hospital Diagnostics Laboratory (RHD), Galle **2015**
- Established Phase contrast microscopy diagnostic services at the Department of Pathology, FoM, UoR for the first time and continued to date **since 2017**
- Contributed purchasing of laboratory equipment in **2008, 2010, 2019, 2020-2022** as a member and Chairperson of Technical Evaluation Committees (TECs) at FoM, UoR.

### WORKSHOP/CONFERENCES ORGANIZED/COORDINATED/DESIGNED

- EHA – SLCH Tutorial in Sri Lanka 2022 (as the Co-chair of the whole program) **2022**
- HaemIcon 2017 (as President SLCH this International Conference/Annual Scientific Sessions held in Hikka Tranz Galle in) **2017**
- European Hematology Association (EHA) SLCH tutorial **2017** (as the Co-chair of the whole program)
- Research proposal writing workshop for academics, hematologists and postgraduate trainees in hematology in FoM, UoR **2015**
- Laboratory safety workshop for academics and technical officers at FoM, UoR **2013**
- Research proposal writing workshop for academics, hematologists and postgraduate trainees in hematology in FoM, UoR **2010**

### MENTORING AND COUNSELLING

- Student mentor for undergraduates of FoM, UoR 2015,2017
- Student mentor for undergraduates of FoM, AHSDP 2008-2009
- Served as a student counsellor of FoM, UoR 2009-2010
- Academic Mentor since 2021 FoM, UoR and in 2022 FAHS, UoR

### REVIEWER OF PEER REVIEWED JOURNALS

- Scientific reports (Nature publishing) **2022**
- Galle Medical Journal **2021**
- Sri Lanka Veterinary Journal (The official journal of Sri Lanka Veterinary Association) **2017**

### MEMBER OF COMMITTEES

#### **NATIONAL LEVEL**

- Senior Advisor of Quality Management System (QMS) and Accreditation Subcommittee of the Sri Lanka College of Hematologists (SLCH) **2022**
  - Provided consultative advice on establishment of accreditation program for public sector medical laboratories
  - Initiated training program for hematologists on laboratory accreditation
- Thalassemia subcommittee SLCH **2019-2020**
- Advisor to the Subcommittee for Ministry of Health (MoH) matters of SLCH **2020**
  - Participated in crisis management meetings when needed
  - Negotiated on establishment of ward facilities for hematology care and recruitment of medical officers, new cadre approvals and establishment of bone marrow transplant units in key hospitals in Sri Lanka.
- Key member of the committee appointed to provide expert advice on establishing National External Quality Assurance (EQA) program for special coagulation tests by SLCH in collaboration with MoH in **2020**.
  - Established policies
  - Prepared standards and guidelines to purchase quality control material
  - Budget proposals prepared and submitted to MoH
- Committee to develop a proposal and to coordinate with MoH to Establish Hematology Molecular Diagnostic Laboratory at NHSL in the years **2016-2020**
  - Prepared proposal
  - Conducted briefing meetings with authorities
  - The establishment of laboratory is finalized
- Board of Study Pathology, PGIM, UoC, Sri Lanka **2015**
  - Served only one year. Actively participated in meetings and addressed trainee related issues and program development related issues
- Subcommittee of SLCH to draw up guidelines to accredit private hospitals to issue pink and green cards in the diagnosis of thalassemia **2013**
  - Designed thalassemia card for identification of carriers
  - It is implemented and in use to date
- Committee to prepare and submission of a draft of the National Laboratory Act Sri Lanka **2012**
  - The Laboratory Act was prepared and submitted for legal and other procedures to obtain approval.
- Committee for Preparation of National Hemophilia registry in SL by SLCH in **2008-2010**
  - Developed first ever patient registry in Sri Lanka
- Council Member SLCH for 10 years **since 2007**
  - Participated in development activities of SLCH and hematology care in Sri Lanka. It is reflected in many activities highlighted as resource person.

- Council of Galle Medical Association **2009 – 2015, 2019-Present**
  - The second oldest medical association in Sri Lanka. Celebrates 73 years of service this year
  - Developed quality improvement programs for postgraduate training and patient care
  - Organized annual scientific sessions
  - Organized and moderated social welfare, cultural events, musical evenings, and excursions for the doctors and their family members

## UNIVERSITY LEVEL

- Member Arts Board ('Kala Mandalaya') FoM, UoR **2011, 2012**
  - Represented FoM, in meetings. Objective was to improve arts and related activities within UoR.
- Member, Cultural Center, advisory board **2008-2009, 2010, 2011**
  - Represented FoM
- Representative of FoM, UoR to the University Publications Unit **2008**
  - Planned establishment of University Publications Unit.

## FACULTY LEVEL

- **Chairperson, Academic Accountability and Work Load Model Development Committee**  
FoM, UoR **2020/2021**
  - Final proposal submitted and approved by the Faculty Board. Partly implemented. At present being reviewed by Quality Assurance Unit of UoR for final adjustments
- **Medical Education and Staff Development Unit (ME&SDU)** **2019-2021**
- **Subcommittee Member Appointed to Identify Infrastructure Development Needs to include Differently Abled Students and Staff FoM, UoR in 2021.**
  - Access is identified as one major area not improved or paid attention in a planned manner. In spite of different actions taken when encountering such students, to date this is a major area that needs improvement in FoM, UoR
  - Reviewed National and International guidelines and arrived at consensus agreement on improvements needed in all the key aspects of ability ranging from physical to mental
  - Surveyed Faculty premises by visiting all the buildings and based on National and International recommendations, prepared a comprehensive list of recommendations including actions, renovations, items required to accommodate all forms of ability within the FoM
  - The proposal was approved by the Faculty Board
  - Continuous follow-up towards its implementation
- **Member Internal Quality Assurance Cell (IQAC)** **2019 Present**
- **Chairperson, Online Teaching Policy Development** for FoM, UoR **2020**
  - Prepared online teaching policy. Approved and implemented in FoM, UoR



Strategies in the North West of England During the COVID19 Pandemic organized by The ACHS Improvement Academy 14/10/**2021**

- The highlights of Past European Hematology Association (HOPE) Asia 2021 organized by EHA (virtual) 10, 11/10/**2021**
- International Global Lifelong Learning Webinar on Tele-Health Accreditation ACHSI, Sydney, Australia 21/07/**2021**
- Turnitin Virtual Conclave: Leveraging Technology for Enhancing Education 24/06/**2021**
- Workshop on Self-Evaluation Report (SER) Writing for program review 16/03/**2021** and 17/05/2021
- International Global Lifelong Learning webinar on Implementing Recommendations from Incidents Investigations and RCA's by ACHSI, Sydney, Australia 02/02/**2021**
- International preconference webinar of Colombo Conference on Medical Education on "Professional Identity Formation of Medical Teachers and Medical Students: Why Do They Matter in this Disruptive Era?" organized by college of medical educationist Sri Lanka 15/07/**2021**
- Updates in Thalassemia Management Educational Webinar 2021 accredited by Dubai Health Authority 30/06/**2021**
- Online video conference on 'Turnitin virtual Conclave: Leveraging Technology for Enhancing Education' organized by FoM, UoR 24/06/**2021**
- Workshop on 'Conducting Clinical Examinations for Examiners in Final MBBS Examination' organized by Galle Medical Association in collaboration with Medical Education and Staff Development Unit, FoM, UoR 05/02/**2021**
- Webinar on 'Implementing Recommendations from Incident Investigation and RCA's' organized by The ACHS Improvement Academy 2/02/**2021**
- Workshop on Program Review Criterion 1: Program Management organized by Faculty Quality Assurance Cell 19/10/**2020**
  
- Workshop on Program Review Criterion 2: Human and Physical Resources organized by Faculty Quality Assurance Cell 13/10/**2020**
- Virtual edition of the 25<sup>th</sup> Congress of the European Hematology Association, 11–21/06/**2020**
- British Society of Hematology Annual Scientific Sessions (virtual) 09, 13/11/**2020**
- Workshop on Program Review Criterion 7: Student Assessments and Awards organized by Faculty Quality Assurance Cell 20/10/**2020**
- Workshop on Program Review Criterion 8 Innovative and Health Practices organized by Faculty Quality Assurance Cell 20/10/**2020** "Innovative and Healthy Practices" sounds like there are a few words missing in that
- European Hematology Association (HOPE) Asia 2020 (virtual), Colombo 16-17/10/**2020**
- ACHS International Global Lifelong Learning webinar on 'Responding in Times of Crisis' organized by ACHS international 22/07/**2020**
- Workshop on 'Training Members of the FQAC and the Core Group of Quality Assurance, FOM on Program and Institutional Review' organized by Faculty Quality Assurance Cell, FoM, UoR 21/07/**2020**
- ACHS International Global Lifelong Learning webinar on 'Introduction to Total Quality Management' organized by ACHS international 08/07/**2020**
- ACHS International Global Lifelong Learning webinar on 'Leadership and Change

Management' organized by ACHS international 17/06/**2020**

- International global lifelong learning webinar on Introduction to Total Quality Management conducted by ACHSI, Sydney, Australia 08/07/**2020**
- 60<sup>th</sup> Annual Conference of the Indian Society of Hematology and Blood Transfusion held in New Delhi, **India** 07, 10/11/**2019**
- Annual Scientific Sessions – The Physiological Society of Sri Lanka 30/11/**2019**
- Colombo Conference on Medical Education 14, 15/11/**2019**
- Workshop on Hemoglobinopathy update – SLMA 06/02/**2019**
- 9<sup>th</sup> Emirates Hematology Conference hosted by Emirates Society of Hematology in Dubai UAE 07, 09/03/**2019**
- European Hematology Association (EHA) SLCH Tutorial on Myeloid Malignancies and MDS in Colombo, Sri Lanka 08, 09/02/**2019**
- International conference Best of American Society of Hematology (ASH) 2017 organized by Mumbai Hematology group, **India** 26, 28/01/**2018**
- 6<sup>th</sup> International SYSMEX Scientific Seminar in **Singapore** 23,24/10/**2018**
- Pre-congress workshop of Annual Academic Sessions HaemlCon 2018 SLCH on Hemostasis and Thrombosis at SLMA Auditorium Colombo 27/09/**2018**
- Live educational activity titled '2018 Highlights of ASH in Asia Pacific' organized by The American Society of Hematology 3/10/**2018**
- European Hematology association (EHA) SLCH Tutorial on Lymphoid Malignancies, Multiple Myeloma and Bone Marrow Failure Syndromes in Colombo 23, 24/02/**2017**

#### OTHER IMPORTANT WORKSHOPS PARTICIPATED IN THE PAST

- Project Management Professional (PMP) Exam Preparation Certificate Course (35 hour) conducted by NetAssist International Pvt Ltd on 11<sup>th</sup> August – 15<sup>th</sup> September **2012**
- Workshop on Ethics Review of Clinical Trials organized by the Ethics Review Committee. Faculty of Medicine, University of Colombo 29, 30/11/**2012**
- 12<sup>th</sup> FERCAP International Conference in Colombo, cohosted by SLMA, UoC and NSF 1821/11/**2012**
- Workshop on An Introduction to Qualitative Methods for Public Health Research conducted by UoR in collaboration with Duke University 02/08/**2011**
- One day International workshop on Patient Registry by GaRNet at Faculty 03/12/**2010**
- Workshop on Counselling the Undergraduate; A Workshop for Academics conducted by IRQUE – QEF project on 11<sup>th</sup> – 12<sup>th</sup> September **2007**
- Course on Basics of Medical Education conducted by Medical Education Center of the Faculty of Medicine, University of Kelaniya Sri Lanka and the Medical Education and Staff Development Unit of the FoM, UoR in **2002**

- Molecular Genetics and Research related training
- SNP's and Human Disease **October 2005**  
Erasmus Postgraduate School of Molecular Medicine, Erasmus MC, Rotterdam
- Course on Molecular Medicine **June/July 2005**  
Erasmus Postgraduate School of Molecular Medicine, Erasmus MC, Rotterdam
- Basic and Translational Oncology **Oct-Dec 2005**  
Erasmus Postgraduate School of Molecular Medicine, Erasmus MC, Rotterdam
- Visited Freiburg University (Germany), Pediatrics Hematology Clinic **November 2005**  
Followed rounds on the in-patient service, viewed the ambulatory service, participated in all clinical presentations and participated in microscopic diagnostics of new patients under Prof Charlotte Neimeyer
- In-service Training in Hematology (Adult, Pediatric, Benign and Malignant Hematology and Transfusion Medicine) **2002-2005**  
Teaching Hospital Karapitiya Sri Lanka, National Hospital Colombo Sri Lanka, Apeksha National Cancer Institute Maharagama, Colombo, Teaching Hospital Peradeniya, National Blood Transfusion Service
- In-service Training leading to Diploma in Pathology **2000-2001**  
Teaching Hospital Karapitiya Sri Lanka, National Hospital Colombo Sri Lanka, FOM, UoC

#### RECENT VOLUNTEER WORK AT NATIONAL LEVEL

- Volunteer participation in Free National Hotline (247) for COVID information, patient education, online triage and for hospitalization of patients with COVID. Organized by Sri Lanka Medical Association **2021-2022**.

#### CREATIVE WORK

##### **Designing**

- Flag and logo of Faculty of Medicine, University of Ruhuna, Sri Lanka
- Flag and logo of Faculty of Graduate Studies, University of Ruhuna, Sri Lanka
- Logo of Ruhuna University Medical School Alumni Association.
- Logo of Ruhuna Faculty of Medicine Teachers Association.
- Ceremonial Mace of Galle Medical Association.