Lymphomas
What can we learn from Africa- 3?

Mombasa, Kenya January 31st - February 2nd 2013

Scientific Committee:  Lorenzo Leoncini (Chairman), Martine Raphael, Kikkeri Naresh, Omar Sherman (Local Host) Shaheen Sayeed, Emily Rogena, Ian Magrath, Joshua Nyagol

Goals and Objectives

This will be the third INCTR workshop on hemato-pathology in Africa and the first to be held in Africa. Its purpose is to improve the knowledge and skills of African hematologists with regard to the diagnosis and treatment of hematological malignancies. Pathology is essential to both meaningful research and appropriate treatment – even accurate statistics on incidence and mortality rate - but is often overlooked by organizations involved in cancer control. In 2007, INCTR held a focused workshop in Tanzania to discuss with African pathologists the problems they face. Subsequent to this meeting, the Pathology Program of INCTR undertook a series of visits to African pathology laboratories to review cases. Many problems were identified, including logistical problems in ensuring that biopsies reach the few centralized pathology laboratories in a timely fashion, delays in reviewing biopsies, poor fixation and delays in reports reaching referring clinicians. However, although logistic problems are severe, there are many ways in which they can be solved, but without a high standard of diagnosis, there is little point in improving the time taken to make a diagnosis and to issue a report. Thus INCTR’s pathology program is working with “Pathologists without Borders” to establish immunophenotyping in selected African laboratories, and has initiated a series of annual workshops entitled “What can we learn from Africa,” focused particularly on understanding the World Health Organization (WHO) classification of hematological malignancies and the value of special studies such as immunophenotyping, FISH, PCR etc. to establishing a diagnosis. These workshops provide an opportunity for African hematopathologists and hematologists to present cases of importance to them – often because they could not be diagnosed without special studies. Such cases are “worked up” in European laboratories and demonstrate particularly well the value of special studies to making an accurate diagnosis. Immunophenotyping is indispensible in applying the WHO classification, and methodologies such as FISH and cytogenetics add considerably to the confidence with which the diagnosis can be made, as well as being relevant to an understanding of pathogenesis and potentially, the development of targeted approaches to therapy. These workshops, therefore, serve an important role in the Pathology Program, helping to enhance communication, to form professional relationships, to discuss techniques and how to improve them and to bring pathologists and clinicians into contact – something, unfortunately, that is all too often lacking in the field. They also provide a matrix for discussing a broad range of issues pertaining to the epidemiology,
diagnosis, treatment and research into hematologic malignancies in Africa. In between workshops, additional site visits take place, and discussion continues via the telepathology program, iPath.

**PROGRAM**

**Day 1 (31**<sup>st</sup> **Jan)**

9.00-9.15 a.m. Introduction and welcome: *Ian Magrath and Shaheen Sayeed*

**Session 1: Non-Hodgkin’s Lymphomas in Equatorial Africa**  
Chairpersons: *Ian Magrath and Max Parkin*

9.15-9.30am. Incidence and Distribution of NHL in equatorial Africa  
*Max Parkin*

9.30-9.45 Pattern/Distribution of NHL subtypes in Kenya  
*Omar Sherman*

9.45-10.00 Aggressive B-cell lymphoma in Democratic Republic of Congo  
*Bienvenu Lebwaze*

10.00-10.15 Comparison of DLBCL characteristics between Kenyan and American cases (*Shahin Sayed /Aliyah Sohani*)

10.15-1030 Lymphoproliferative disorders in adults in Senegal  
*Abibatou Sall*

10.30-11.00 **Break**

11.00-11.15 Association of Malaria with B cell lymphomas  
*Rosemary Rochford*

11.15-11.30 Predisposing genes to Malaria: influence on incidence of NHL  
*Sam Mbulaiteye*

11.30-11.45 T cell immune response in eBL  
*Ann Moormann*

11:45-12-15 Role of EBV in non-Hodgkin’s Lymphomas  
*Alan Rickinson*

12.1512.45 Role of HIV in Lymphoma  
*Ethel Cesarman*

12.45-13.00 Impact of HIV infection on incidence and pattern of NHL in Equatorial Africa  
*Emily Rogena*
Session 2: **Tutorials in Haematopathology - 1**  
*Chairpersons:* Nestor Masalu and Shaheen Sayeed

14:00-14:30  Principle of WHO classification  
*Elaine Jaffe*

14:30-15.00  Using the WHO 2008 classification to develop a minimal set of monoclonal antibodies for diagnosis of B cell lymphomas  
*KK Naresh*

15.00-15.30  Identifying small B-cell lymphomas in lymph node biopsies  
*Lorenzo Leoncini*

15:30-16.00  *Break*

16.00-16.30  Differentiating aggressive B cell lymphoma subtypes using histopathology  
*Martine Raphael*

16.30-16.45  Local Experience in setting up IHC for lymphoma diagnosis in Kenya  
*Shaheen Sayed and Emily Rogena*

16.45-17.00  HHV8 and lymphomas in Uganda  
*Lynette Tumwine*

17.00-18:00  Discussion: Diagnosis of B cell lymphomas; Case Presentations  
*(cases to be presented MUST be sent to Prof. Leoncini for approval- each case 10 minutes)*

**Day 2 (1st Feb)**

Session 3: **Tutorials in Haematopathology – 2**  
*Chairpersons:* Walter Mwanda and Nina Hurwitz

9.00-9.30  Utility and pitfalls of fine needle aspiration cytology in haematopathology  
*Naresh Kikkeri*

9.30-10.00  Tissue processing and its impact on lymphoma diagnosis  
*Lorenzo Leoncini*

10.00-10.30  Optimal processing of bone marrow trephines  
*Martine Raphael*
10.30-11.00 **Break**

11.00-11.30 iPath: It’s role in education and consultation  
*Nina Hurwitz*

11:30-12.00 “Patologi oltre Frontiera, NGO” It’s role in improving pathology service  
*Vincenzo Stracca Pansa*

12.00-13.0 Discussion: Optimizing Technology; Case Presentations

13:00-14:00 **LUNCH**

**Session IV: Leukemias and Myeloid Dysplasia in Equatorial Africa**  
*Chairpersons: Martine Raphael and Muheez Durosinmi*

14:00-14:30 Classification of myeloid neoplasms  
*Pier Paolo Piccaluga*

14.30-14:45 Chronic myeloid leukaemia and Myelodysplastic syndromes in equatorial Africa  
*Jessie Githang’a*

14.45-15:00 Acute leukemias in equatorial Africa  
*Fatma Abdallah*

15.00-15:30 Plasma cell dyscrasias  
*Dr. Riyat*

15:30-15:45 Lymphomas at Moi Teaching and Referral Hospital in Kenya  
*David Chumba*

15:45-16:00 Role of Radiotherapy in management of lymphomas  
*Farrok Karsan*

16.00-16:30 **Break**

16:30 – 18:00 Discussion: Leukemias and myeloid dysplasia in equatorial Africa: Case Presentations

**Day 3 (2nd Feb)**

**Session V: Clinical and Laboratory Research**  
*Chairpersons: Twalib Ngoma and Lorenzo Leoncini*

9:00-9:15 The importance of research in equatorial Africa  
*Martin Ogwang*
9:15-9:45  INCTR 03-06: Updated results of the treatment of Burkitt lymphoma in equatorial Africa
  Melissa Adde

9.45-10.00  The status of Burkitt Lymphoma in Kenya
  Walter Mwanda

10.00 -10-15  Guidelines on management of lymphomas
  Othieno Abinya

  Mansoor Saleh

10:30-11.00  Break

11.00-11.30  Role of MYC in germinal center reaction and BL pathogenesis
  Riccardo Dalla Favera

11.30-11.45  Research is a state of mind – apoptotic index as a predictor of tumor behavior –
  Naresh Kikkeri

11:45-12.00  The role of viral miRNA in the pathogenesis of Burkitt lymphoma
  Lorenzo Leoncini

12.00- 12.15  RNA Sequencing of Burkitt lymphoma from Equatorial Africa
  Pier Paolo Piccaluga

12.15-12.30  Effect of Bcl-2 inhibitor in pre-clinical models of EBV+ latencyIII lymphoproliferations
  Joëlle Wiels

12:30-13:00  Discussion: Research directions in the immediate future

This meeting will be followed by a meeting starting at 14.00, 3rd Feb, on HIV-associated malignancies in equatorial Africa in association with WHO.