

Telepathology Experience in Africa

Martine RAPHAEL
Université paris Sud
AMCC/INCTR

Workshop : Lymphoma, what can we learn from Africa
New insights to classification, epidemiology, biology and research

Institut Curie, Paris, May 9-10, 2011

Telepathology in Francophone African Countries Present

Diagnosis in Hematological malignancies

Several pilot centers

DRC Lubumbashi DRC

Kinshasa

Vanga hospital

Yaounde, Cameroon

Dakar, Senegal

Pathology and hematology Laboratories
Clinical Unit of Hematology

Patients (adults and children)

Diagnosis in Hematological Malignancies in Francophone African Countries, present Techniques

Hematology Lab: lymphoid malignancies

Cytology : local and second opinion

Immunophenotyping; Cytogenetics, Molecular Biology : no

Pathology Lab : lymphomas

morphology : fixation and staining : improvement

Immunohistochemistry : actually some : CD3, CD20...

Objectives

to improve standard morphology

to develop IHC : in addition to CD3, CD20

CD30, CD15

CD45, CK, EMA, BCL2, Ki67

CD5, CD23, CD10, Cycline D1

Telepathology, Diagnosis support et links with clinics Present

- i-Path software
- Network between French and African University hospitals
- Expertise in Hematopathology : diagnosis support**
 - Members of the EAHP and SH
- Education and up grading in clinics and biology

Telepathology, in Francophone African Countries, Diagnosis support et links with clinics : Present

- **Two centers** are usually sending cases for diagnosis support : Lubumbashi and Vanga Hospital
 - Experience will be reported in this round table
 - Exchanges between african, (anglophone and francophone), european, and north american pathologists
 - Discussion and final diagnosis mostly on morphology: cytology and histology
- Sporadic cases from others centers

Telepathology in Francophone African Countries

Plans for the future

GFAOP Pathology Committee

Centers to be set up and perspectives

- Bamako, Mali
- Abidjan, Côte d'Ivoire
- Ouagadougou, Burkina Fasso
- Nouakchott, Mauritanie
- Others pilots units of GFAOP

Centers having equipment (microscope+camera+computer), need of i-Path

- Rabat, Casablanca, Maroc
- Alger, Algérie

Telepathology in Francophone African Countries

Plans for the future

- Others pathologies and clinical trials

Subcommittees

- Hodgkin disease
 - Nephroblastoma
 - Retinoblastoma
 - Leukemia?
-
- To set centers for diagnosis support
 - Niamey, Niger
Experience of video and picture send by internet
 - Cotonou , Benin
Exchanges with Angers, Tours, Paris

Telepathology in Francophone African Countries

Present and plans for the future

- Extend the diagnosis support, network
- Implications in teaching
- Improvement of techniques and set up of new techniques
- Review of slides for clinical trials : GFAOP protocols, pathology committee, INCTR protocols
- Exchanges for research : biology, epidemiology