

**International Medical Academy**

Académie Médicale Internationale

**iMED**

*iMED is a Network of Physicians & Health Professionals dedicated to improve Medical Education, Training & Health Delivery in Cameroon.*

*iMED was brought to life by CAMFOMEDICS "German-Cameroonian Medical Forum in 2012*

**CAMFOMEDICS**

**PROJECT REPORT**

**2020-2021**



## MISSION

**Our vision is a Situation in which community members are empowered to access safe, reliable medical and emergency services**

i.MED – Academy is a Network of Physicians and Health Professionals dedicated to improve Medical Education, Training and Health Delivery in Cameroon. iMED was brought to life by CAMFOMEDICS - German- Cameroonian Medical Society) in 2012. Our faculty consists of international experts around the Globe (Clinicians, Scientists, Public Health Managers) with many years of teaching experience. The method of teaching strongly emphasizes skills that you will need in every day clinical practice

### GOALS

- Cover the need for further education and training
- Improve “on-the-job training”
- Improve facilities with customised sustainable “minimally invasive” medical equipment as the training to use this equipment
- Introduce fast “point of care” diagnostic possibilities
- Optimise the management and organisation of procedures and process in practice

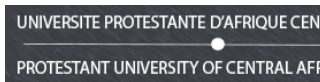
### TRAINING PROGRAMMES

- Smart Courses
- Hands on Workshops
- Seminars / Conferences
- Bed side Visits

**Sponsors**  
**/ Partners**



Ministry of Health  
Cameroon



# OUR STORY

## CORONA EVERYWHERE

The COVID-19 Pandemia resulted in an interruption of Training activities in 2020, soon later we developed strategies while respecting the guidelines and restrictions to offer training to medical staff , who badly needed the workshops.

Because of the high Rate of perinatal morbidity and mortality in Cameroon, our Training Workshops in the last years are centered around **Maternal, Newborn and Child Health in Emergencies (Below UniCEF Data 2017)**

### Maternal and Newborn Health Disparities in Cameroon

In 2017, approximately 861,000 babies were born in Cameroon, or around 2,400 every day.<sup>1</sup>  
Among young women (aged 20-24), 28 percent gave birth by age 18.<sup>2</sup>  
Approximately 56 babies will die each day before reaching their first month<sup>3</sup>; 45 stillbirths occur every day.<sup>6</sup>

#### Neonatal mortality rate:

Cameroon's neonatal mortality rate (NMR)<sup>4</sup> is 24 deaths per 1,000 live births.<sup>3</sup>  
NMR<sup>4</sup> in rural areas is 36 deaths per 1,000 live births and 25 deaths per 1,000 live births in urban areas for an urban-to-rural ratio of 0.7<sup>2</sup>  
NMR<sup>5</sup> among the poorest households is 39 neonatal deaths per 1,000 live births, compared to 29 deaths per 1,000 live births among the richest households.



### A Step towards Simulation-based medical teaching and learning

Thanks to Octapharma – Germany who have been donating annually 5.000,-Euro to the iMED-Academy, we we able to purchase new Training Material especially new a birth simulator with automated high-tech lifelike patient . Simulation provides an opportunity for individual healthcare members and teams to practice care of a mother and her newborn without any risk of harm to a mother or baby

**„ HARMONISONS NOS PRATIQUES DE SOINS POUR UNE MEILLEURE PRISE EN CHARGE DE NOS PATIENTS “**

Training Slogan of Ministry of Health, Yaoundé - Cameroon



i.med academy



seeks to play a leading role in advancing emergency medicine for patients and doctors alike.

**i.MED** International Medical Academy Cameroon

*International Medical Academy for sharing Medical Best Practices.*

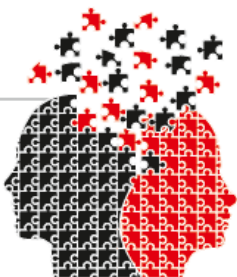
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**MITARBEITER GESUCHT! WORK WITH US!**



**Imed Training**

Sous la coordination de la DRSPC et du DS de Nkoldongo, les séances de formation de trois demi-journée avec les prestataires de soins ont eu lieu au sein des FOSA suivantes : Fondation Lyd's Fonk (AS Mimboman1), le Centre de Santé marie Pascale (AS Mimboman2), et le CMA de Nkomo (AS Nkomo), avec l'appui logistique des modèles anatomique de l'organisation CAMFOMEDICS



Med.knowlogy Transfer



# PEOPLE AND ACTIONS

**Training Activity :** Neonatal resuscitation  
**Location :** Protestant University of Central Africa, Yaounde, Cameroon  
**Date :** 07.04. 2021



Resuscitation medicine, is a medical discipline which seeks to take care of patients presenting or likely to present one or more acute visceral failures directly jeopardizing their vital prognosis. It involves continuous monitoring of vital functions and, if necessary, the use of replacement methods. The end goal is the restoration of homeostasis.



During this training, the 18 participants were able to practice on a most realistic pediatric mannequin. According to the participants, BSc and MSc nursing students at UPAC, the CAMFOMEDICS initiative should be encouraged and supported to enable learners to combine theory and practice.



**Lecturer** Dr Bena-Boupda Nicole, specialist in pediatrics and nuclear medicine

**Nr Participants**

- 02 student in Master 2 Nursing
- 07 student in Master 1 Nursing
- 09 Student in Bachelor of Nursing

## SKILLS ACQUIRED BY PARTICIPANTS

- Basic techniques in neonatal resuscitation
- Balloon ventilation
- Mouth to mouth

## iMED in Numbers 2021



4 Skills training Workshops



124 Participants  
(Nurses and Midwives)

### Acknowledgement:

Many Thanks to Dr. Nicole Bena-BOupda (Pediatria), BB-Diagnostics Yaoundé and Mme. **BONGAJUM** Anastasia (DRSPC - Regional Delegation of Public Health - Centre), who have been very instrumental in facilitating with our Partners, organising and Teaching at the Courses.

## Multidisciplinary Tumorboard

There has been a rapid increase in the Morbidity of Non-Communicable Diseases particularly Cancer in low- and middle income countries (LMIC). This is attributed to economic and lifestyle factors, as well as changes in the health economic situations in the past Decade. Many Countries have been unable to respond to these Changes both in the academic and community health Institutions.

As a result, specialists, advances in cutting Edge Technologies in Radiology, Pathology and Therapy are unavailable to many Patients especially the poor and those in Rural Communities.

A multidisciplinary approach to the care of cancer patients is commonly incorporated in academic institutions and is often achieved through multidisciplinary tumor board (MTB) conferences. MTBs are formal, regularly-scheduled meetings in which networks of specialists devoted to the care of cancer patients meet to review individual cancer patients in a prospective manner to discuss the diagnosis and formulate management plans using an evidence-based approach.

IMDTB holds every first Monday of the Month from 17:00-18:30 CET.

The IMDTB uses an Internet-based Platform (Jira Cloud + Zoom) to connect with the Cameroonian Oncology Community of experts around the Globe. The aim of the IMDTB is to offer services such as second opinion and treatment recommendation for cancer management and treatment for patients in low cancer care resource regions like Cameroon. The Tumor board is a strong dedicated network of Experts in Oncology, Haematology, Palliative Care, Radiotherapy, as well as Medical physicist from Germany, USA and Cameroon. It's cooperation partners are medical institutions in Cameroon and Germany, depending on where treatment is sought. Since its creation, the IMDTB has covered a wide range of Cancer Cases particularly from Cameroon.

### Make a Difference – Better outcomes for CANCER Patients in CAMEROON

These meetings typically involve core groups of medical oncologists, radiation oncologists, surgeons, radiologists, and pathologists, as well as other ancillary members of the healthcare team and other allied healthcare professionals. The patients discussed at these meetings may be patients newly-diagnosed with cancer, Patients under Therapy with complications or patients with complex management questions. There is evidence that MTBs improve diagnosis, adherence to clinical practice guidelines, and some clinical outcomes.

Together with its Partners Mephida e.V. and Global Health Catalyst Summit @ Harvard, Camfomedics e.V. has since December 2017 established a sustainable International Multidisciplinary Tumor Board (IMDTB). The

After presentation of a case by the treating Physician, it is followed by an open Discussion on Diagnostic and therapeutic Challenges as well as Health System issues and factors, influencing the quality of care of the patient. The Case is then closed with a clear outlined Recommendation from the Board about the Management of the Case based on international guidelines tailored to access the onsite Therapy and Financial Viability.

In addition to providing a venue for Education, Skills, knowledge transfer and constructive peer Review, the Conference provides a regular Forum to discuss relevant health Systems and Global Health Issues.

The CAMFOMEDICS international Multidisciplinary Tumorboard is a Pilot Project partly supported by HEXAL AG, Ger thank Hexal for its Support.



CAMFPMEDICS Tumorboard - e-poster presentation at the State Of The Art Conference 2020 of the European Society of Gynaecologic Oncology (ESGO) in Copenhagen 12-14<sup>th</sup> Dezember 2020  
<https://soaconference.esgo.org/scientific-program/>

## Implementation, Practise and Experiences of an International Online Multidisciplinary Tumour Board (iMDTB) With a Cancer Centre in Northwest Region of Cameroon

Hentsch S.<sup>1</sup>, Kouya F.<sup>2</sup>, Azeh I.<sup>3</sup>, Buecker R.<sup>4</sup>, Henze L.<sup>5</sup>, Bardin R.<sup>2</sup>, Ngassam Ketchatcham A.N.<sup>7</sup>, Baiyee Toegel E.<sup>8</sup>, Tung Z.A.<sup>9</sup>, Okonkwo E.<sup>10</sup>

<sup>1</sup>Städtisches Klinikum Salingen, Germany, <sup>2</sup>Mbingo Baptist Hospital, Cameroon, <sup>3</sup>Onkologische Tagesklinik Dres. Schardt and Azeh, Geisenkirchen, Germany, <sup>4</sup>Klinikum Lippe, Lemgo, Germany, <sup>5</sup>Universität Rostock, Germany, <sup>7</sup>Bethesda Hospital, Yaoundé, Cameroon, <sup>8</sup>Cypress Hematology and Oncology, Denver, USA, <sup>9</sup>Zentrum für Strahlentherapie und Radioonkologie, Westerstede, Germany, <sup>10</sup>St. Josefs Klinik, Offenburg, Germany

### Background

Multidisciplinary tumour boards (MDTBs) are universally recommended. Access to MDTBs, especially in low-income countries and rural areas, is limited. In order to gain insight in its efficiency and in its impact on quality of cancer care this study has been performed on the international multidisciplinary (video-) online tumour board (iMDTB) established by Camfomedics e.V. with a cancer centre in northwest region of Cameroon, the Mbingo Baptist Hospital.

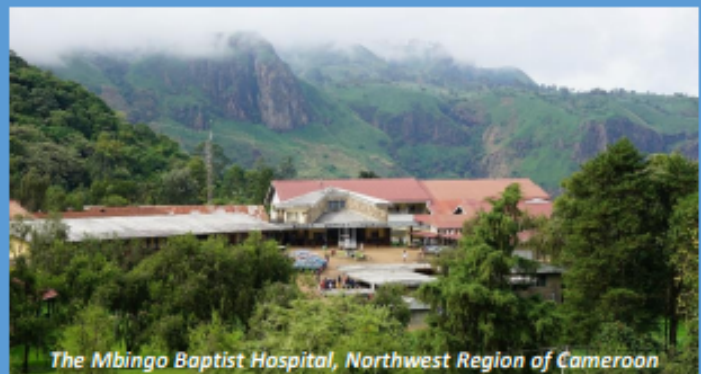
### Methodology

Patient's data of all cases of 2019 of the Camfomedics-iMDTB have been collected and evaluated in regard of disease, age, sex, stage, recommendation and level of available care.

Furthermore an online survey among participants of the Camfomedics-iMDTB on their practises, experiences and satisfaction with the iMDTB has been undertaken. Patient data are collected on the JIRA online patient data documentation system by Atlassian, Sydney, Australia. Video conference were held online via Gotomeeting.com.

### Results

Camfomedics iMDTB was scheduled monthly for 60 to 90 mins. Specialists for medical oncology, gynecologic oncology, radiotherapy and pathology met online from Cameroon, USA and Germany. In 2019 during 12 meetings 95 tumour cases had been discussed. The majority of patients (75%) were female. 24% of all tumour cases were breast cancer followed by cervical cancer with 10%. Remarkably anorectal carcinomas and sarcomas occurred with a percentage of 7-8% each. Furthermore three women out of 72 suffered from high risk trophoblastic tumours. 66% of cases could be presented with a proper TNM-classification. More than half of these patients were already in a late stage of their disease (extended, metastatic or high risk). Pathology results were limited to microscopy for most cases. Additional diagnostics (such as hormone receptor status, HER2neu status) were available only in a minority of the cases. Treatment plans had been changed in up to 50% of cases. The tumour board members describe their experience with the online conferences, data and documentation quality as satisfactory.



The Mbingo Baptist Hospital, Northwest Region of Cameroon



Screenshot of the JIRA online patient data documentation system

### Conclusion

The iMDTB of Camfomedics is a helpful and effective way to improve cancer care in low income countries and rural areas such as the northwest region of Cameroon. The tumour board's success very much depends on the charitable attendance of its specialists and the local (human) resources for time consuming preparation. Main challenges remain foremost the patients' ability to afford expensive cancer diagnostics and therapies, local availability of medical, surgical and radiological treatment as well as a stable online video connection. The iMDTB has a significant impact not only on multidisciplinary of cancer management in the cooperating institutions but also on social values and education of the participants.

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CONNECTING PEOPLE & RESOURCES FOR A BETTER HEALTH.

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**BETTER OUTCOMES FOR OUR PATIENTS**

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