



Israeli Medicine on the Equator The "Kiboga Model"

Building Infrastructure and Enhancing Long-term Medical
Outcomes in Rural Africa



SBI INTERNATIONAL HOLDINGS AG (UGANDA)

Our Story

- The project was founded in 2008 by the Israeli nonprofit Brit Olam
- Over the years, our model has evolved from an assistance based approach to capacity building and development, for a greater social impact.
- With over 11 years of field experience, we developed a model for comprehensive and multidisciplinary interventions to diagnose, treat and prevent non-communicable diseases (NCDs) in rural Uganda and elsewhere in Africa.



The Rational

- Kiboga's healthcare system lacks resources (medical equipment, facilities, medications), and is largely characterised by inadequate staff education and rural inaccessibility to medical services.
- According to the WHO, NCDs are estimated to account for 33% of all deaths in Uganda.*
- An emerging epidemic in Uganda, NCDs overload the healthcare system, and considered a lead target for intervention according to the Ugandan Health Ministry.



Our Mission

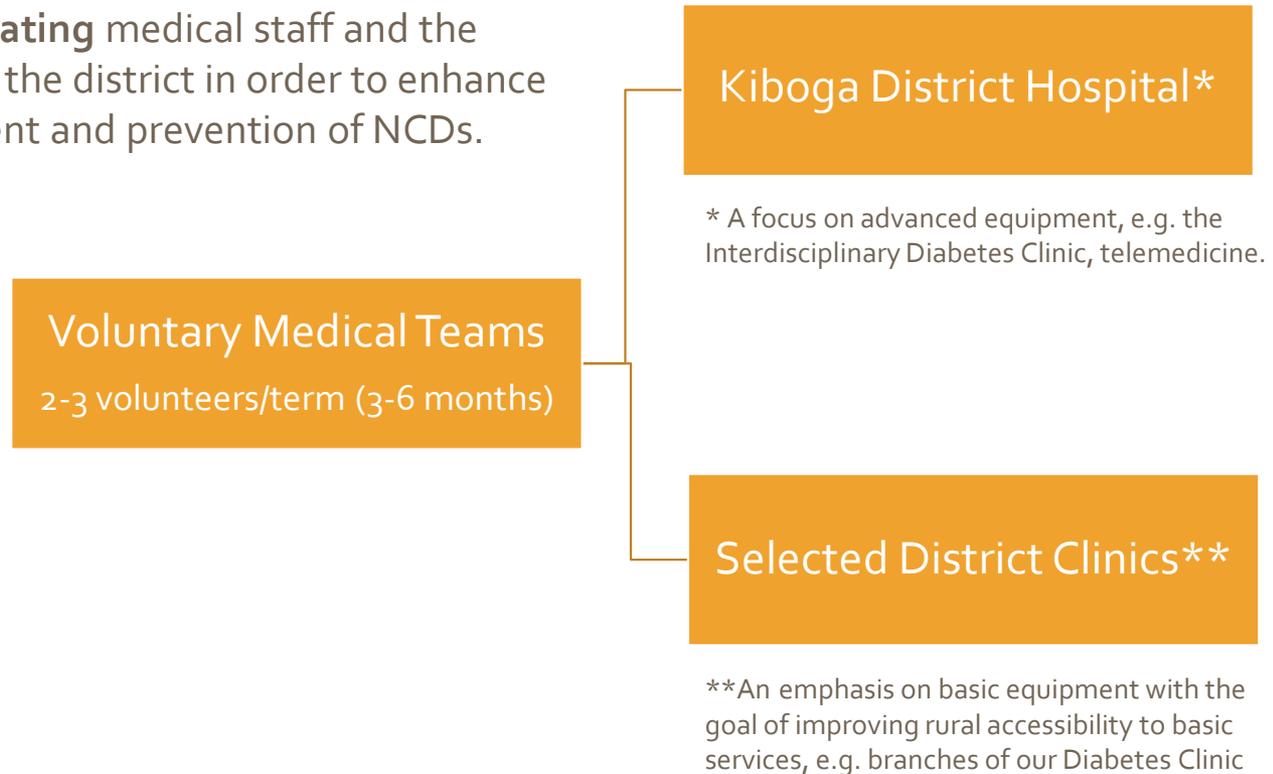
We are dedicated to building, developing and empowering local medical capacities for improved infrastructure and long-term healthcare outcomes in the Kiboga district and elsewhere in Africa.



Our Strategy – an Overview

We **collaborate** and **empower** our local partners by:

1. Setting and implementing goals jointly, including a **five-year plan** to advance the public health system
2. **Building infrastructure** and providing **access to equipment**
3. **Training and educating** medical staff and the community across the district in order to enhance diagnosis, treatment and prevention of NCDs.



Since
2008...



- 100 medical delegates trained local staff
- Over 22,560 patients treated across the region, i.e. in the hospital and community outreach.
- According to our monitoring, between 2015-2017 we observed:
 - A 90% decrease in morality rate from diabetes.
 - A 25% decrease in mortality rate of hospital patients
 - A 15% decrease in the duration of hospital stay
 - A 55% decrease in patients' referrals due to inadequate local resources

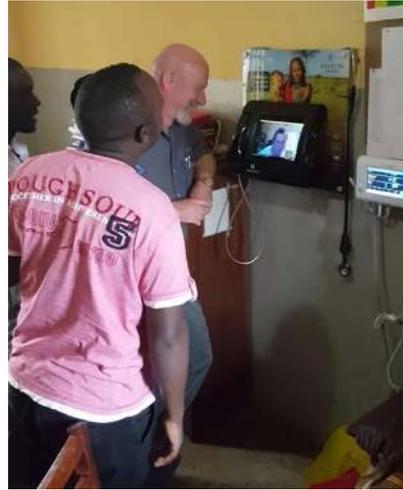
From Assistance to Capacity Building

1. We empower and educate local medical staff by emphasizing independence and long-term impact.
2. We strive to improve the district's health system and long-term medical outcomes.
3. We build strategic partnerships with the government, academia, civil society and corporates in and outside Uganda, in order to achieve sustainable models for the development of rural medicine in Uganda.



Implementing Innovative Solutions

- We mentor clinical officers and medical staff
- We implement advanced medical technologies, e.g. telemedicine
- We improve the treatment of chronic Diabetes in rural Uganda by introducing comprehensive treatment plans at our Interdisciplinary Diabetes Clinic



Promoting R&D and Leadership

- We nurture and develop local professional leadership.
- We Incentivize excellence in the public health system.
- We encourage joint R&D between Israeli and Ugandan medical practitioners.
- We support local NGOs and partners in health education and training activities.
- We promote the integration and cooperation between Kiboga's hospital and the districts clinics.



A Unique Replicable Model

Our model is designed to have a significant, long-term impact by focusing on capacity building to improve the region's healthcare system and increase the populations' access to medical services.

Through a 'bottom up approach' and an emphasis on collaboration, our model can be replicated in other Ugandan districts and elsewhere in Africa.



Main Achievements in 2018

Our Interdisciplinary Diabetes Clinic has treated more than 500 regular patients in over 2,000 visits.

A historical MoU between the Ugandan and Israeli Medical Associations, which incorporates placements of Ugandan doctors in Israeli hospitals for experience and training.

Achieved full cooperation from Ugandan officials in developing and managing the project, which results in the enhancement of Kiboga's public healthcare system.

Various delegations of chief Israeli physicians and healthcare officials to promote further collaboration between the countries.

Educating, Preventing & Treating NCDs

HEALTH & Beauty

New Vision

YOUR WELLNESS GUIDE

Monday, September 10, 2018 28

by Noah Gal Gendler, the ambassador of Israel to Uganda, Kenya, Tanzania, Seychelles and Malawi.

Gendler says Israel will continue to extend support to Uganda.

Israel Yiga, the LC5 chairperson of Kiboga district, says the clinic has brought services nearer to the people, saving them from travelling long distances to Kampala for specialised treatment.

Another case

Just like Nanju, 21-year-old John Kyabasing of Lwanata in Kiboga, has a nerve-wracking story.

"In 2007, I started falling sick frequently — with bouts of fever. I always tested for malaria and HIV, but the results were always negative," he says. The father of one says he got so worried that he wrote a Will in anticipation of death.

"Not even painkillers would relieve me of headache; I was always thirsty and hungry; the toilet

became my second living room as I visited it almost every after 15 minutes to urinate," he says.

Kyabasinga says when he fell sick, diabetes was not anywhere on the list of diseases he suspected he had.

"Before I discovered that I was diabetic, I made many wrong decisions regarding my health,"

Kyabasinga, who has been receiving insulin injections since 2017, says.

Kyabasinga says before he went to the clinic, he used to spend sh30,000 on

insulin injections monthly — something he could barely afford.

"Sometimes, I would go without drugs due to the cost implication. My life became a living hell; I always felt dizzy and lost a lot of weight," he says.

Dr Shay Pintov, a volunteer at the Multi-Disciplinary Diabetic Clinic in Kiboga, says the facility currently serves Kyankwanzi, Mubende, Kiboga, Mityana and the neighbouring districts.

He says their target is to screen all the people in Kiboga for diabetes. They also want to sensitise them on the dangers of the disease.

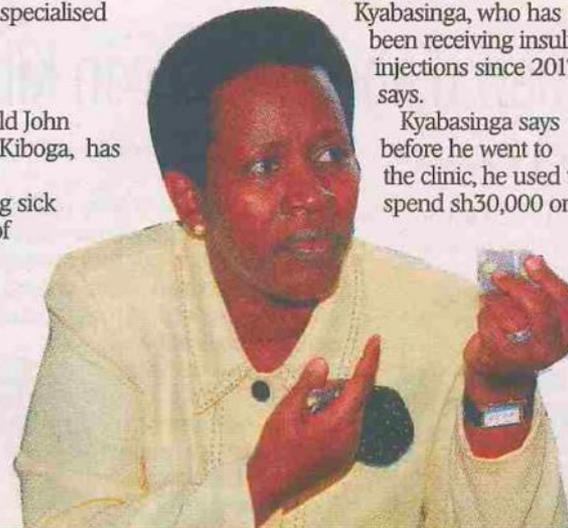
Among the people present during the launch of the clinic were two children with diabetes.

What is diabetes?

Dr. Pintov says one gets diabetes when the blood glucose (blood sugar) levels rise. High levels of glucose in blood can cause health problems over time. The main types of diabetes are type 1, type 2, and gestational.

Type 1 diabetes

Pintov says a person develops type 1 diabetes when their immune system destroys the insulin-producing beta cells



Dr Diana Atwine says the risk of developing diabetes also increases with age

Educating, Preventing & Treating NCDs



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NEWS

Govt lauds Israel Embassy, SBI over diabetic clinic initiative



By MAURICE MUHWEZI | PML Daily Writer /Social Media Editor [Twitter](#) [Email](#)

Posted on July 31, 2018



2018 in Numbers

— Diabetic Clinic

- 24 medical volunteers trained **35 Ugandan medical staff**
- 500 regular patients in the new diabetes clinic, with over 2,000 visits
- Since May 2018, we observed:
 - A 70% decrease in hospitalization due to diabetic foot
 - No deaths from DKA & HHS has been reported.
 - Our active ambulatory services for NCD's have treated over 560 patient in 1980 visits





Our Plans for 2019

- A MoU with the Ugandan Ministry of Health
- Expansion of our NCDs treatment to the entire district
- Full implementation of the diabetes capacity-building program
- Initial research for future projects treating hypertension, malnutrition and cervical cancer
- Improving data collection and management
- Building strategic partnership for R&D and business development

Our Partners

SBI INTERNATIONAL HOLDINGS AG (UGANDA)



ההסתדרות
הרפואית בישראל
Israeli Medical
Association



RAMBAM
Health Care Campus



Sheba - Academic Medical Center Hospital



THE REPUBLIC OF UGANDA
MINISTRY OF HEALTH



ISRAEL
EMBASSY OF ISRAEL
NAIROBI



THE SERVICE
מתכננים לך עתיד

Our Team of volunteers



Shai Pintov, MD
Manager



Reul Harel, MD
Head of trainings



Efy Halperin, MD
Volunteer's Manager



Reut Erlich, RN
Head of recruitment



Avigail Mayani, MD
*Projects Development
Specialist*

Thank you!

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