



Digital Accelerator

Customer
Case Study

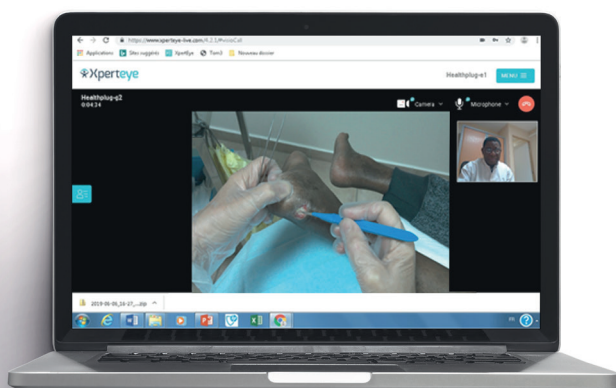
Pr Mukisi Mukaza reshapes the healing of chronic wounds with aid of telementoring

Challenge

Guadeloupe has only a few specialists for the follow-up of chronic wounds and difficult scars. These wounds are often observed with patients that are suffering from hypertension, diabetes, vascular complications, etc. and represent a significant cost to the health care system. Patients are often living far away from the hospital or in remote areas where no expert is available. Pr Mukisi Mukaza, an orthopedic trauma surgeon and expert in the treatment of chronic wounds, was looking for a technology that allows him to monitor a group of patients remotely to avoid unnecessary travels.

Proposed solution

Pr Mukisi Mukaza adopted XpertEye Advanced on Vuzix smart glasses to improve care and treatment follow-up of chronic wounds in the territory. He uses the solution in two ways: for teleconsulting and telementoring of a nurse who is cleaning the chronic wound at the patient's home. Equipped with smart glasses, the nurse can continue to work hands-free and communicate directly with Pr Mukisi Mukaza. Through live video conferencing he can guide and supervise the gestures of the nurse.



Picture: Pr Mukisi Mukaza guides a nurse with the cleansing of a chronic wound.



Benefits

The use of XpertEye has several advantages:

- Improved access to care for patients living in remote areas, that are bedridden or cannot be transported
- Treatment of more patients in a shorter time frame by only one specialist
- Reduction of the time to heal since treatment is given on the right moment with the appropriate techniques
- Consideration of the natural environment where patients live when proposing a treatment
- Decrease in the use of ambulances



Picture: Pr Mukisi Mukaza based in Pointe-à-Pitre, Guadeloupe guides a nurse located in Kinshasa, Congo.



“It was obvious to me right from the start that the use of smart glasses would help me treat a large number of patients with chronic wounds and help me transfer and share my knowledge with my colleagues. The smart glasses were particularly useful during the two months COVID lockdown period where I made more than 80 remote consultations and guided nurses through wound cleansing procedures. Patients completely accept the usage of connected glasses, I have never had a single refusal. I have now also started working on a new project where I assist, from Guadeloupe, young inexperienced surgeons in Kinshasa, Congo to help them heal complicated wounds of their patients.”

Pr Mukisi Mukaza, orthopedic trauma surgeon, Les Abymes, Guadeloupe.