

File form: 659 Interim Report for the Eagle Foundation – July 2023

OCT angiography machine for IMPACT Bangladesh’s community hospital in Chuadanga District, Bangladesh

Funds received: 21.12.22

Amount of grant: GBP 47,365

Conversion rate: Exchange rate based on 1 GBP = 120.368 BDT 23/11/22

Total number of beneficiaries: 18,000 people are expected to benefit over its lifespan of 10 years

Expenditure: GBP 47,365 **Amount remaining:** GBP 1,127

Background:

For almost three decades, IMPACT Foundation Bangladesh (IFB) has delivered an extensive programme of activities to prevent and treat needless disability for people living in remote and rural parts of the country, where medical services are vastly inadequate to meet the needs of the population. Action is based at IFB’s thriving community hospitals in the districts of Chuadanga and Meherpur in south-western Bangladesh, and on the Jibon Tari (Boat of Life).

Construction of a new hospital in Chuadanga, to meet increasing patient demand, began in 2015 and the new premises were officially opened in October 2022. The hospital building has eight stories - with potential to add further floors as funds become available in the future. It houses five operating theatres; a maternity unit; A&E department; cardiac care clinic; and enhanced pathology and radiology facilities. The nearby former hospital building is now home to IFB’s orthopaedic services, including the Sir John Wilson Assistive Device Centre.



IMPACT UK’s CEO – Judi Stagg – attended the inauguration of the new hospital and diagnostic centre in October 2022

The ophthalmology department was one of the first to open and we are enormously grateful to Fondation Eagle for enabling the purchase an OCT-Angiography Machine. This instrument is used for generating cross-sectional, three-dimensional, color-coded high resolution images of the layers of retina and optic nerve of the eye. Optical Coherence Tomography (OCT) is an innovative, non-contact imaging technique which is used for organs, where traditional microscopic tissue diagnosis by biopsy is not available, such as the human eye.

The Topcon Optical Coherence Tomography (OCT) was purchased from Evolution Medical Technologies Ltd and installed by their engineers in March 2023.



Photographs showing the OCT-Angiography machine being installed. Below - IFB's lead eye surgeon, Dr Shaheen, is instructed in its use and the new female eye ward at the hospital



IFB are very pleased with the model they have chosen (3D OCT Maestro-2), which has a scan speed of 50,000 per second. The machine also came with other accessories, including :

- Compatible online UPS
- Compatible Photo Printer
- Computer Table

The OCT machine has a two-year warranty period and spare parts will be replaced free of cost within the warranty period.

Conclusion

IFB aims to develop its eye-care unit to a 'Centre of Excellence' for the entire region. This vital machine will benefit many patients in the coming years and is has been the first step in building the capacity of the ophthalmic department for the benefit of the disadvantaged men, women and children in the District. As the machine is newly installed, and we look forward to updating you with patient stories and intervention figures at the time of final reporting.

Expenditure:

Item	Budget £	Expenditure £
Topcon OCT Angiography Machine - Maestro 2	45,110	45,110
Project Management @5%	2,255	1,128
Grand total	47,365	46,238

The balance of GBP 1,127 remaining will be expended on project management throughout the remainder of the grant period.

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