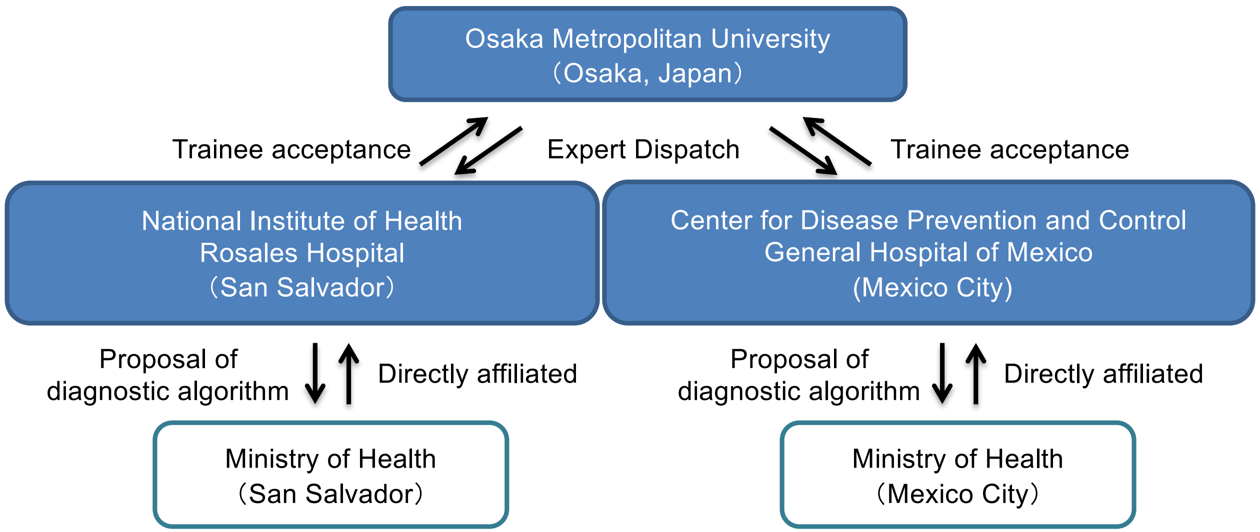
【別添4】事業概要のまとめ（英語版）

作成日：令和7年5月7日

Implementing the Molecular Pathogen Detection- and Ultrasound-based Chagas Disease Management Algorithm in Mexico and El Salvador

Chagas disease remains widespread in Latin America, where there is a significant shortage of diagnostic resources, resulting in deterioration of quality in medical care. This project aims to address this issue by establishing collaborations between Chagas disease experts from Osaka Metropolitan University and healthcare specialists in Mexico and El Salvador. The initiative focuses on implementing ultrasound and PCR-based molecular diagnostic techniques, as well as human resource development of local specialists through training programs. Through a bidirectional training approach, the project seeks to nourish > 14 specialists within the program scheme, with the goals of establishing a sustainable healthcare system and reducing health disparities in the region.



<Training schedule plan>

- <u>Dec 2025; Accepting trainees to JAPAN (Total 4 participants, 2 per country)</u>
  - ✓ Practical training on PCR testing, quality control, and analytical techniques
- <u>Jul, Sep, Nov 2025, Jan 2026; Dispatching experts from JAPAN (Total 12 experts, 3 per session)</u>
  - ✓ Hands-on training in US examination and interpretation
  - ✓ Training program for adherence to clinical algorithms using US/PCR