**Artificial Intelligence-based tools for thyroid ultrasound**

**Project Workflow(プロジェクト計画案)**

**Goals:**

To develop AI tools to assist thyroid analysis, diagnosis and treatment. This involves creating a segmentation map of ultrasound images, and measuring the relevant features of thyroid, and classifying them into different types of cancer.

Aim:

The study would also involve the measurement of TI-RADS and reviewing its effectiveness and scope of cancer diagnosis.

**Project Members:**

Sparquest Inc. (Data science subsidiary of Azest Inc.)

Members

Ito Hospital

Members

MGH

Members

**Project Workflow:**

The project is broadly divided into two phases:

1. Non-temporal Data Segmentation and Classification (Time-independent)
2. Temporal Data Segmentation and Classification (Time Dependent)

**Non-temporal Data Segmentation and Classification (2019/10-2020/06):**

This phase involves the analysis of non-temporal thyroid imaging data,