

CIRB Ref: **2022/2438**

6 September 2022

A/Prof Tan Kwong Wei Emile John
Department of Colorectal Surgery
Singapore General Hospital

Dear A/Prof Tan

**SINGHEALTH CENTRALISED INSTITUTIONAL REVIEW BOARD (CIRB)
DETERMINATION**

Protocol Title: Applying machine learning to develop forecasting algorithms for the prediction of postoperative outcomes in colorectal surgery

We refer to the application, as titled above, submitted to the SingHealth CIRB D. The SingHealth CIRB has reviewed and determined that the application does not require further ethical deliberation because this study aims to apply machine learning algorithm to the prediction of postoperative outcomes following colorectal surgery, using de-identified data.

Please take note of the following:

1. The IRB determination is not an approval from CIRB as the proposed activity does not meet the definition of Human Subject Research. The proposed activities should be conducted under the oversight of the institution and in compliance with all applicable institutional policies, regulations, guidelines and protocol. If changes are being considered and there are questions about whether IRB review is needed, please submit to CIRB for a determination.

Changes to the application and/ or study that may affect the determination of ethics requirement should not be initiated without prior approval by the SingHealth CIRB.

2. The National Electronic Health Record (NEHR) is intended primarily for patient care purposes. NEHR is not to be used for research without prior approval from MOH (MOH Directive 05/2020).

Yours sincerely,

Dr Steve Yang
Chairman
SingHealth Centralised Institutional Review Board D

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cc: Institution Representative, SGH
Head, Department of Colorectal Surgery, SGH

This submission is reviewed online. No signature is required.