## 1. 【研究の概要図】

この応募用紙に記載する研究の概要を以下の枠内に図式を用いて、概要図を作成してください。

研究課題名 深層学習による3次元ジェスチャー認識とハンズフリー手術支援システムの開発

Understanding of the patient's particular hepatic structure is essential and important for successful liver surgery<sup>[1]</sup> In traditional ways:

The surgeon uses the mouse and keyboard to display the medical images ×which are ill-suited for sterile condition.

Create an accurate 3D model of the patient 's real organs

×lacks flexible visualization such as zoom in/out,

selectivity of the specific vessel.



## The touchless technology is an attractive and potential solution to address the above problems

