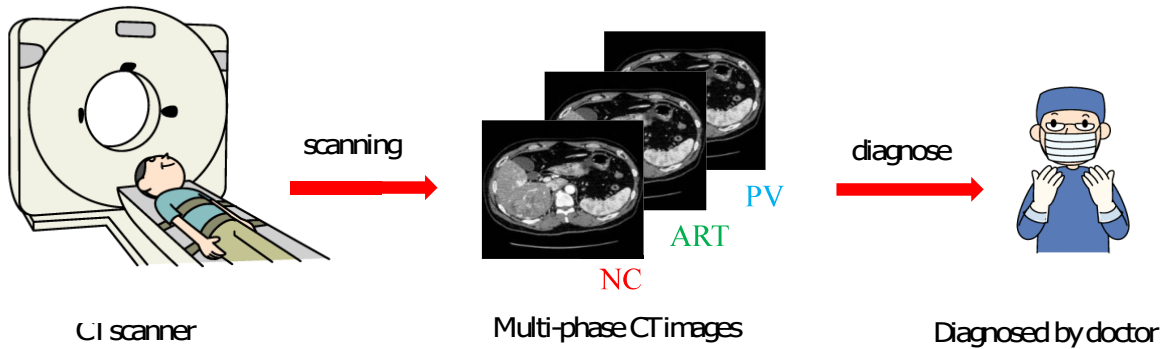


1. 【研究の概要図】

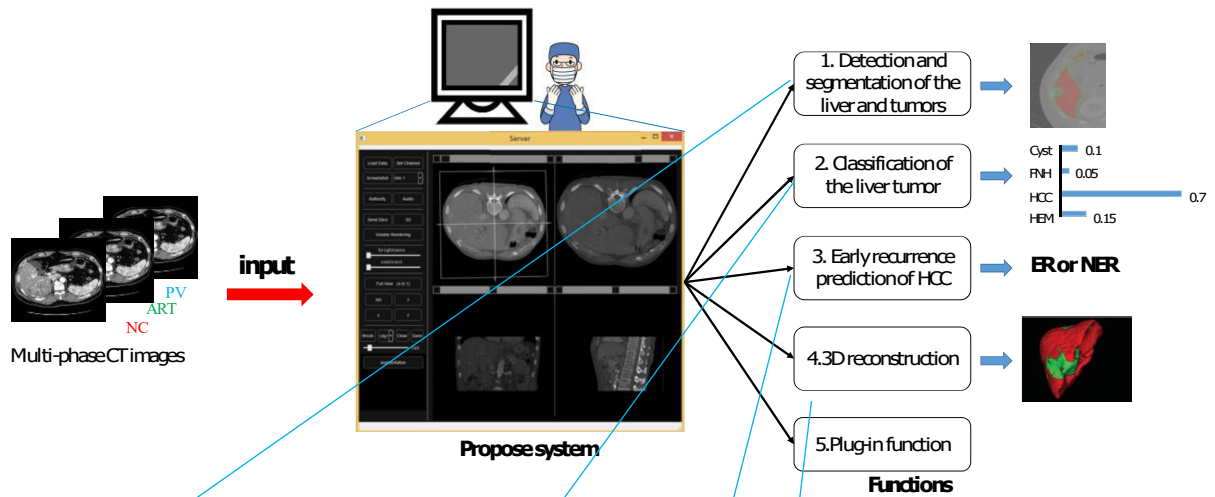
この応募用紙に記載する研究の概要を以下の枠内に図式を用いて、概要図を作成してください。 ※様式の変更・追加は不可(以下同様)

研究課題名 深層学習ベースの肝癌診断システム

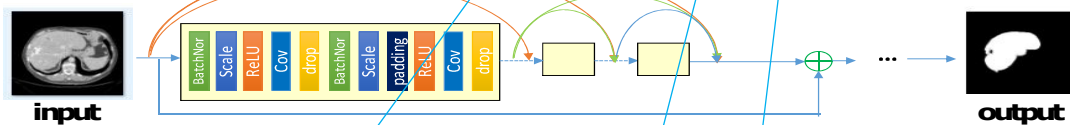
The traditional diagnostic method is to take a CT image and diagnose it by a doctor, as shown below.



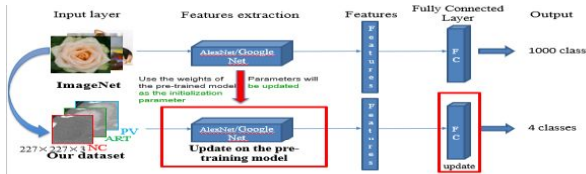
Our proposed deep learning-based computer-aided diagnosis system is shown below.



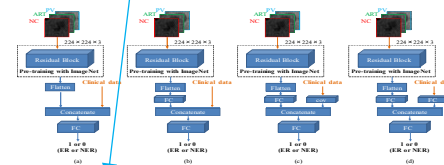
1. Detection and segmentation of the liver and tumors



2. Classification of liver tumor



3. Prediction of early recurrence of HCC



4-5. Plug-in function (include 3D reconstruction by using VTK and ITK)

