

Requirements Document [\[1235\]](#)

1 Introduction [\[1236\]](#)

This Document tracks the requirements that are set for SYDA.

2 Overview[\[1237\]](#)

A model/Algorithm that can Generate Synthetic Abdominal CT scans that can achieve a good "Similarity measure" so that it can be used to generate CT datasets.

3 List of requirements[1238]

Input<https://dev.azure.com/BayerFLATSandbox/Synthetic%20Data%20%28SYDA%29/wiki/wikis/Synthetic-Data-%28SYDA%29.wiki/33/Product-Description?anchor=input>

Dataset

- Image Type : Abdominal CT Scan, Non- contrast

Output

- Synthetic Abdominal CT "No Stone" Scan, Non-Contrast to help Renal Stone Detection Algorithm

Side Note

- Focus on "No Stone" images

Output<https://dev.azure.com/BayerFLATSandbox/Synthetic%20Data%20%28SYDA%29/wiki/wikis/Synthetic-Data-%28SYDA%29.wiki/33/Product-Description?anchor=output>

Specified number of output exams in the requested resolution and format