LITERATURE SURVEY - PAPER - 2

Paper Name : Deep learning based Image Segmentation on Multimodal Medical Imaging.

Multimodal medical Imaging techniques have been increasingly applied in clinical practice and research studies. In this paper It has been proposed an algo architecture for supervised MM image analysis with cross-modality fusion at feature level learn.
We are utilizing multiple modalities like MRI, CT, PET etc for the image processing.
This network which has been trained with multiple modalities, shows superior performance compared to normal Image processing. This study provides empirical study guidance for the design & application of Multi-modal image analysis
This premise is that various imaging modalities encompass abundant information which is different and complementary with each other.

we goes through multiple levels of fusion in image Processing in this research too.

The paper goes into multiple cases where we can get into multiple conclusions from the same paper.
Some of them are so important in the current medical field that can't be ignored

Performances comparison b/w single-modality n/wks and multimodality fusion n/wks.
Performance comparison using diff. modality combinations
The empirical study is performed on a well reg. img dataset. we get that registration across diff imaging modalities is a vital part of any fusion model.

This paper is closely related to our project idea where image recognition & processing plays integral part. we can take into consideration of various img processing techniques & understand their differences etc.