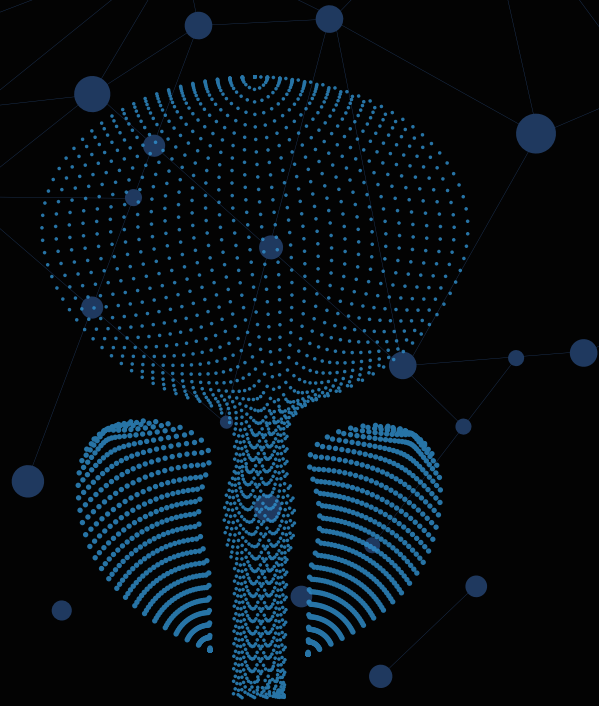


AI for Human Benefit, Everywhere

# JPC-01K

AI based Prostate Cancer Total Solution



**MEDIHUB PROSTATE**





# JPC-01K

## AI based Prostate Cancer Detection Solution

### | Summary

Prostate cancer is increasing rapidly in Korea due to westernized eating habits. Prostate cancer is a disease that requires analysis on various types of MRI in order to make a correct judgment. It is very difficult and time-consuming for experts to be accurate. Therefore, artificial intelligence analysis is needed to reduce the time required for reading and assist diagnosis.

JPC-01K is an artificial intelligence-based medical solution that detects suspected prostate cancer areas through analysis of Multi-Sequence prostate MRI and assists doctors in diagnosing prostate cancer. It provides useful and convenient functions from artificial intelligence results to assist in diagnosing prostate cancer.

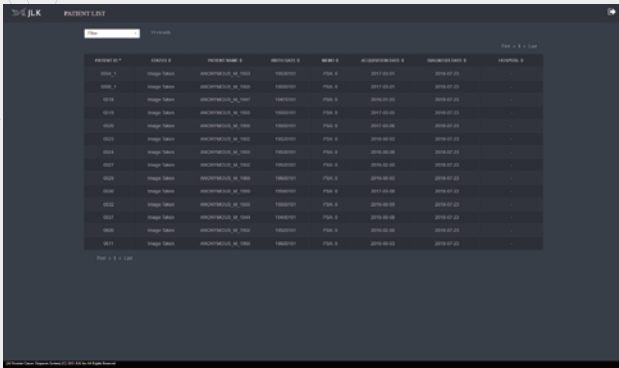
### | Key Components & Performance

- Single Center Data Accuracy 99.65%
- Analysis Time : within 120s
- Convenient patient data management through PACS interworking
- Display analysis result within the web-based user interface
- Provide customized patient report

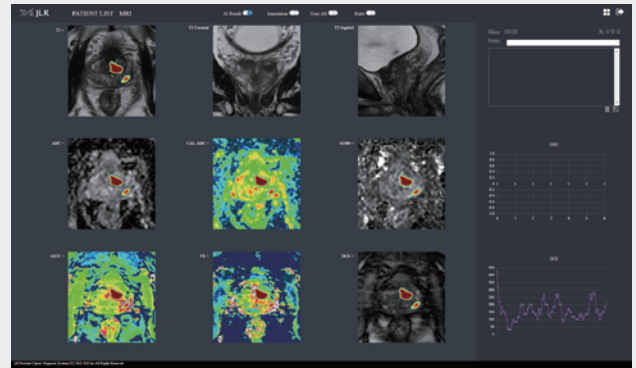
### | Input / Output

- **Input Data** Patient Prostate Multi-Sequential MRI DICOM (T2, DWI, DCE)
- **Output Information** Prostate cancer detection region

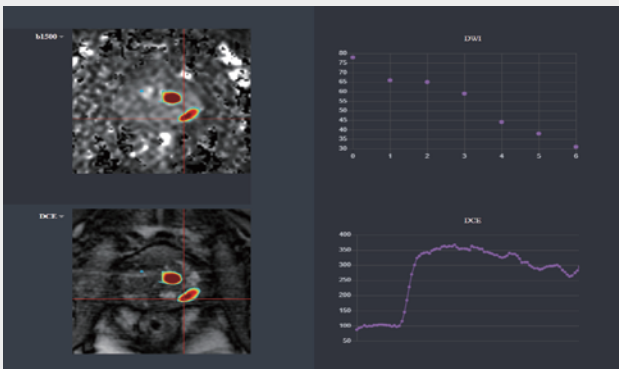
## Solution UI



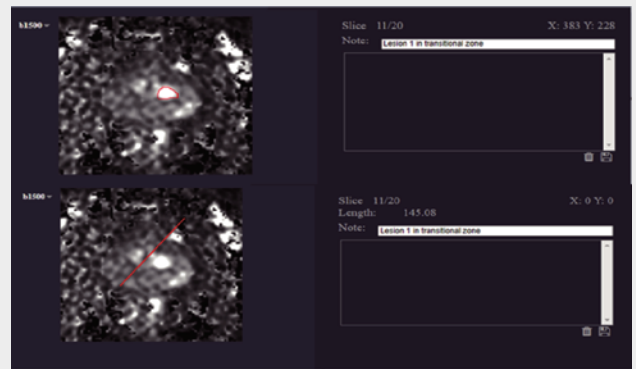
1 Managing registered patient UI



2 Multi-sequential MRI viewer UI



3 Detected area analysis UI



4 Prostate cancer region annotation and analysis UI

## Unique Functionality

- Detect suspected prostate cancer areas through AI-based multi-sequential MRI analysis
- Check the probability of AI prediction through heat-map output
- Provide up to 9 types of Multi-sequential MRI can be read simultaneously
- Provide diagnostic assistance through DWI and DCE pixel graphs
- Provide functions to manage registered patients



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