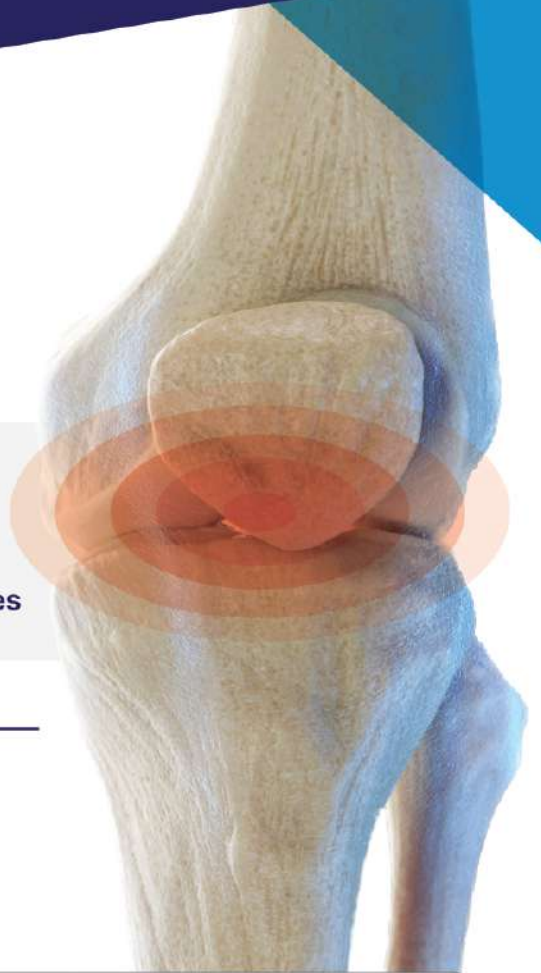


Healthy Future with AI

# MEDIAI-OA



- ✓ **Verified Solution Used by HIRA\***
- ✓ **Provides a quantitative measure of joint space narrowing.**
- ✓ **Accurate KL grades through integrated analysis of key features**

\* Health Insurance Review & Assessment Service

## Patents & Papers

**BMC** Assessment of a novel deep learning-based software developed for automatic feature extraction and grading of radiographic knee osteoarthritis -2023

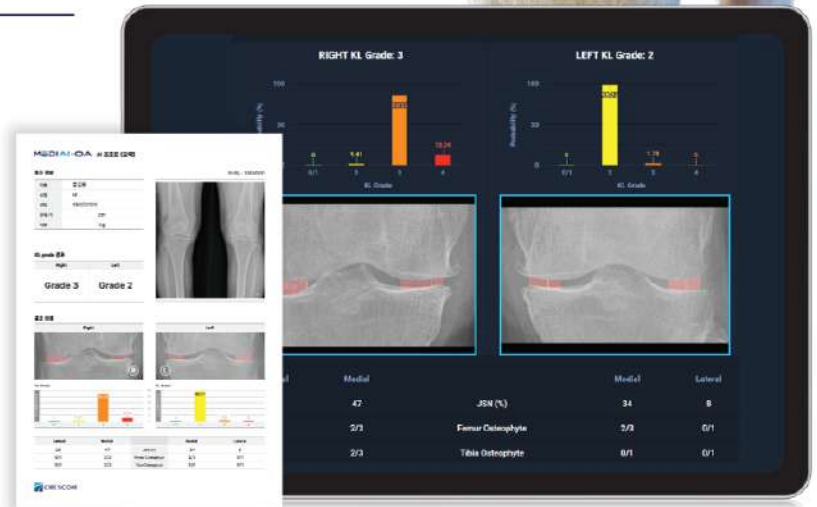
**특허청** 4 patents registered globally  
6 patents pending globally



## Information

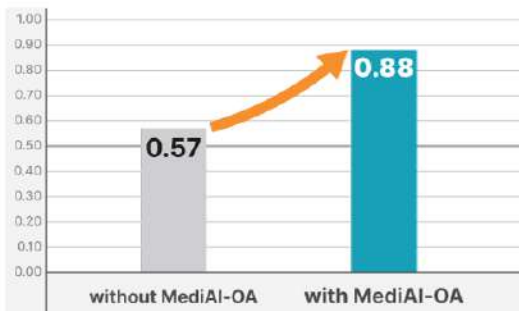
### Information Provided

- KL grade probability distribution  
Integrated artificial intelligence analysis of joint space reduction, osteophytes, joint area, & etc.
- Automatic segmentation of knee joint space
- Quantative analysis of JSN(Joint Space Narrowing) compared to the normal group
- Automatic detection of Medial/Lateral JSN(%) and Femur/Tibia osteophytes



## MediAi-OA's Specification

■ **Comparison of Results with/without MediAi-OA**  
Accuracy and Consistency are significantly increased by referring to MediAi-OA



■ **AUC Graph by KL Grade**

AI analysis results for each grade are very consistent with the reference standard

