VUNO Med® BoneAge™

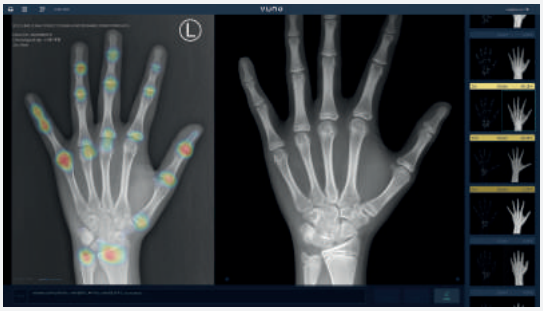
G.P.ATLAS-BASED AI DIAGNOSTIC
SOFTWARE FOR BONE AGE ASSESSMENT

CE

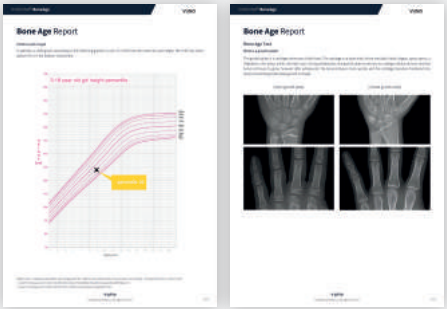
Ministry of Food and
Drug Safety

Key Features

- VUNO Med-BoneAge assists bone age assessment based on a child's hand X-ray image, reducing reading time and significantly improving accuracy.
- Its innovative User Interface (UI) enhances user convenience and works in conjunction with PACS to provide optimized service for the reading site.
- For better communication between the patient and physicians, a customized report of bone age assessment is automatically generated. The comprehensive report enhances both the patient's satisfaction and engagement.



[Product Screen]

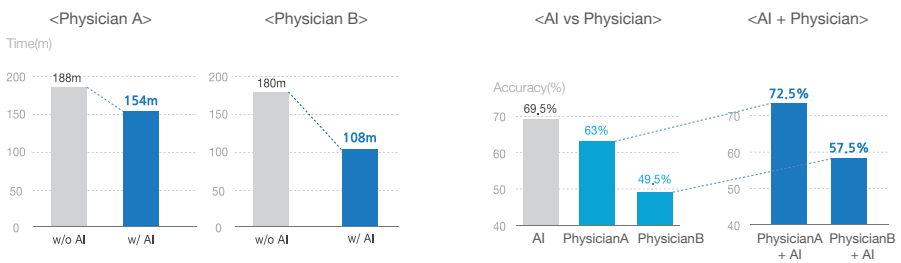


[Bone Age Report]

Performance Validation

- Physicians who used the software demonstrated significantly enhanced reading matching rates with reading time reduced by up to 40%.
- The system exhibited stable performance using pre-processing methods agnostic to images collected from different X-ray machines.
- VUNO Med-BoneAge is interoperable across patients from different ethnicities, enabled by training on both domestic and overseas datasets.

Diagnostic Performance



- Total number of patients : 200
- Physician A: Subspecialized in pediatric radiology (Have experience reviewing at least 500 cases)
- Physician B: Radiology 2nd year resident (Completed G.P. Atlas training + Reviews 20 cases)

Reference: Computerized Bone Age Estimation Using Deep Learning Based Program: Evaluation of the Accuracy and Efficiency, AJR Am J Roentgenol. 2017 Dec;209(6):1374-1380