A novel way of assessing knee osteoarthritis with the power of AI

image biopsy lab

CE marked and FDA 510k pending.

YOUR CHALLENGES

The knee joint is not only the largest joint in the body but also a very complex structure. Extracting the relevant information can be tedious and time consuming.

Even a minimal subjectivity can lead to distractions in the assessment of diseases.

Consistent reporting is the key when making decisions that may affect patients quality of life.

OUR SOLUTIONS

Physicians assisted with KOALA agree 23% more between each other and show reduced rate at which healthy patients are mistakenly diagnosed with osteoarthritis.*

KOALA allows to monitor disease progression treatment effciency in an objective and standardized matter.

KOALA enables objective and consistent reporting allowing effective patient communication and treatment.

WHAT EXPERTS SAY

"What the computer recognizes and describes, I do not have to. This reduces the amount of work to make a diagnosis, and the findings become more accurate. An objective value is given which can be used both for monitoring and forecasting the progress. We offer our patients something that others don't have."

Stefan Nehrer, MD
Orthopedic Surgery,
Regenerative Medicine

"Exact diagnosis and reproducible follow-up exams of osteoarthritis is the basis for a preventive and successful osteoarthritis therapy. Software-based methods can assist the physician in the therapy management and adjustment process."
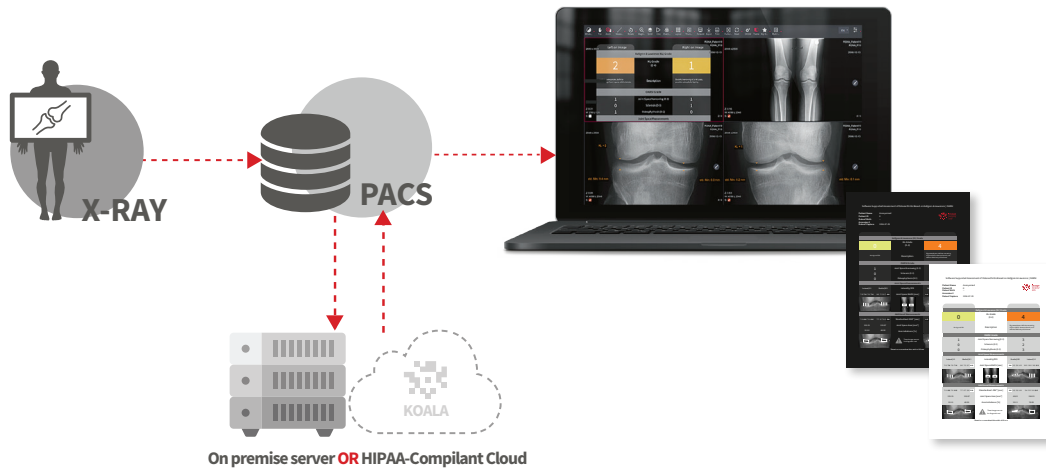
Michael Gruber, MD
Radiologist,
MSK Radiology

*measured by scoring orthopedic surgeons with and without KOALA assistance against a large longitudinal study based on US data.

KOALA - ZERO WORKFLOW CHANGES

Images are forwarded from PACS to KOALA, and annotations are attached to the original study. The results can be viewed in any DICOM viewer. The report is available in a black PDF/SC printable PDF as well.

X-RAY → PACS →

KOALA

On premise server OR HIPAA-Compilant Cloud

POWERED BY ARTIFICIAL INTELLIGENCE

Fully-automated image processing AI software intended to support medical professionals. Precisely, in the standardized measurement of joint space narrowing, as well as radiographic features of osteoarthritis.

YOUR BENEFITS AT A GLANCE

✓ **Consistent Reading:**
Results are displayed immediately. Consistent reports summarize findings.

✓ **Clinical Importance:**
Combining standartization, automatization and digitaliziation for more consistent results and better patient outcome.

✓ **Flexible Integration:**
Further automation of your reporting work-flows possible by our structured reports.

✓ **Better Reporting:**
Reading results automatically summarized as PDF report for referring physicians.

RESULTS AT A GLANCE

92% PRECISION
Detecting Osteoarthritis

93% ACCURACY
Detecting joint space narrowing

23% INCREASE
Physicians agreement rate to gold-standard [%]