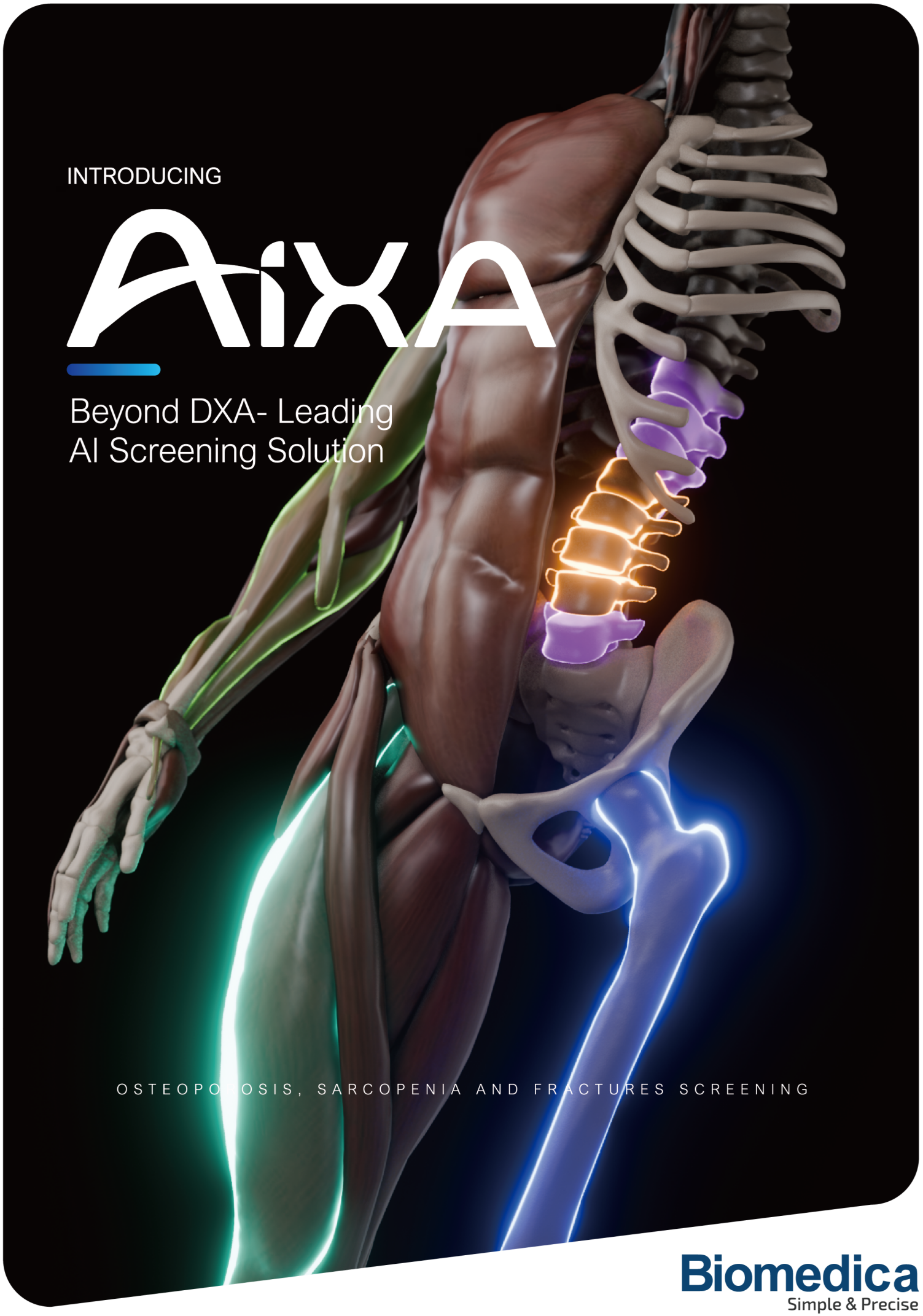
INTRODUCING

AixA

Beyond DXA- Leading AI Screening Solution



OSTEOPOROSIS, SARCOPENIA AND FRACTURES SCREENING

Biomedica
Simple & Precise

AIXA

AI-POWERED MUSCULOSKELETAL SCREENING

TARGETED MUSCULOSKELETAL HEALTH

AIXA's Three-Point Diagnostic Power

Offers a comprehensive range of musculoskeletal screening, combining precision AI analysis with the speed needed for preventative and early intervention care.

Osteoporosis

Analyzes bone density of L1–L4 vertebrae or femur for accurate osteoporosis screening.

Sarcopenia

Assesses muscle mass and muscle-to-fat ratio for accurate sarcopenia screening.

Vertebral Compression Fractures

Quick and accurate risk assessment through vertebral height measurement, enabling early detection and timely intervention.

AIXA

Flexible Deployment for Bone Health Diagnostics

Our AI solution provides fast, accurate screening for osteoporosis and fracture risk from existing X-ray images. Designed for maximum flexibility, the platform offers secure, high-performance analysis whether deployed in the cloud or integrated locally within your existing PACS infrastructure. Choose the model that perfectly suits your security, speed, and workflow requirements.

The AIXA Advantage

Simple and Precise, Cost-Effective X-Ray Innovation

SCENARIO 01

OsteoCloud

Speed and Security Without Hardware

OsteoCloud offers an immediate, zero-hardware solution. Images are securely uploaded for AI processing, leveraging cloud scalability for high-speed analysis. This is ideal for quick adoption, remote sites, or facilities seeking low IT overhead and the latest software updates.

Biomedica AIXA

AI Imaging

- Works with implants (measures bone mass & density)
- Detects fractures
- No prolonged posture holding (X-Ray or CT)

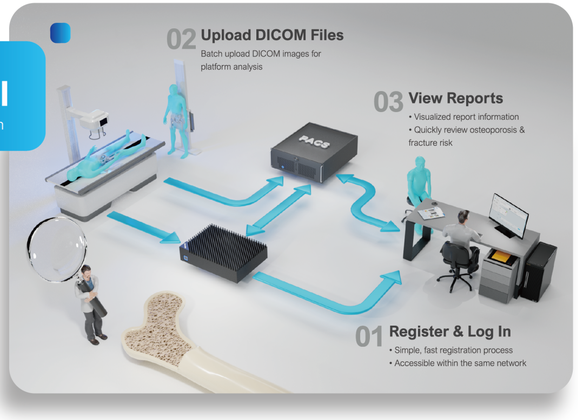
SCENARIO 02

On-Premise AI

Seamless PACS Workflow Integration

For maximum control and integration, the local deployment utilizes your existing PACS and server infrastructure. This model ensures patient data remains within your network for enhanced security and compliance, providing instantaneous, high-performance AI analysis directly integrated into the daily clinical workflow.

Pass DICOM SWF & FHIR MHD Test



DXA

Conventional Method

- Inaccurate with implants (artificial joints, bone screws)
- Limited posture options (leg crossing, leaning back, pigeon-toed)
- Bone fracture

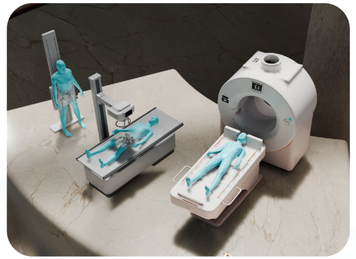
High Efficiency

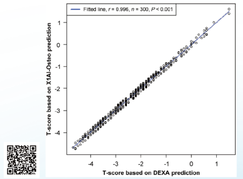
AI-powered analysis generates clinical reports in just 6 Seconds

Compatible Devices

X-Ray CT

Certified by the Medical Image Standards Association of Taiwan (MISA) for passing testing in the Medical Imaging and Digital Pathology category. Supports the DICOM standard for stable PACS, HIS, and RIS connectivity.



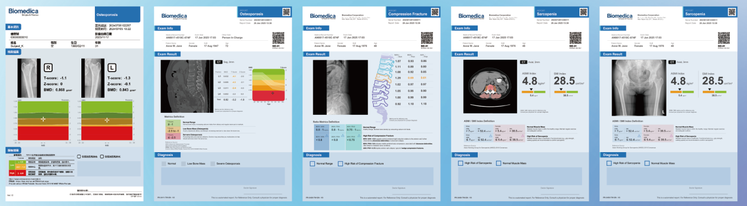


Simple & Precise

In line with evidence-based medicine, DXA-standard bone density **Correlation (CCC=0.996), with 97.2% Sensitivity, 95.6% Specificity, and an AUC of 0.96**

Comprehensive Reports

Standardized hip, spine, and lower limb X-ray imaging for osteoporosis, sarcopenia, and compression fracture assessments



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