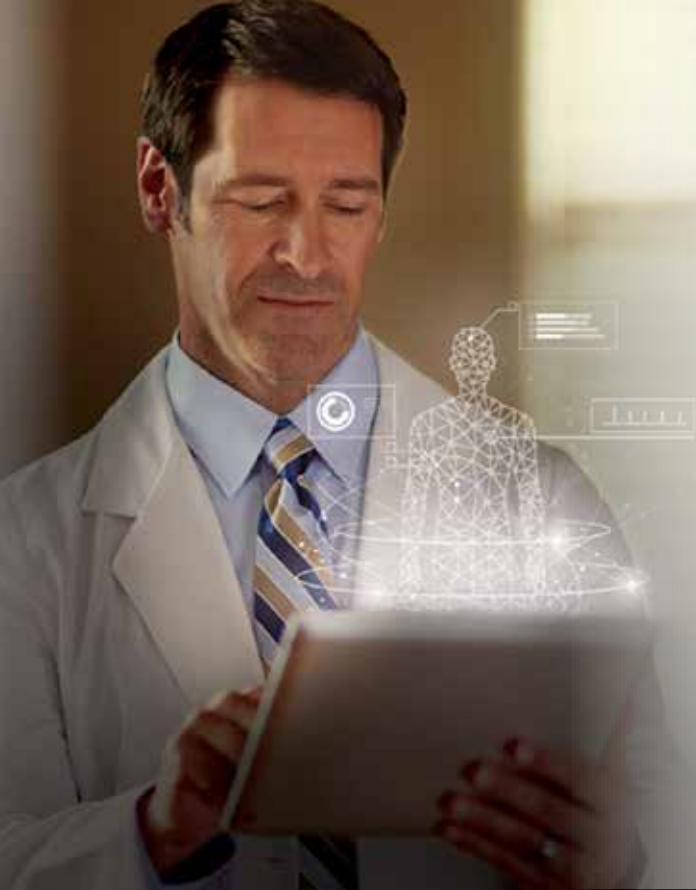# PHILIPS

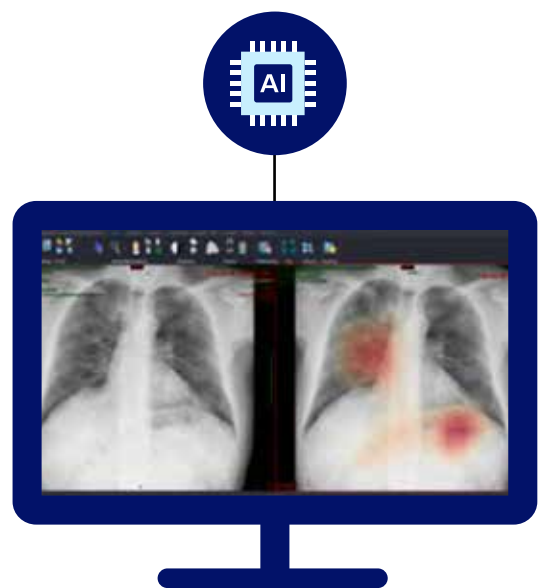# Efficiently leverage AI in your daily clinical routine

AI Manager

At Philips,
we believe
the value of AI
is only as strong
as the human
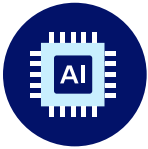experience it
supports.

Empower your radiology department
with artificial intelligence (AI)

Rapidly advancing medical technologies are generating more medical data than ever before. Clinicians are challenged every day to take full advantage of the vast amount of data generated across the hospital departments. Artificial intelligence (AI) apps can automatically assist with analyzing medical data and extracting relevant information to generate meaningful – and actionable – insights that help enable precise and personalized patient care.

Philips AI Manager is an end-to-end AI enablement solution that integrates with your existing IT infrastructure and PACS solution that enables your radiologists to leverage AI applications for more comprehensive assessment and gain deeper clinical insights.

Leveraging AI applications for more **comprehensive assessment and deeper clinical insights** in your radiology workflow.

One single AI platform
- One advanced vendor agnostic, multimodality platform for supported applications
- Single access point for all AI generated results
- Fully scalable solution, supporting cloud or on-premises deployment models

A trusted partner
- Flexible installation, support and maintenance model, via SaaS offering
- Enhanced customer experience by offering a set of **Core AI application** directly by **Philips**
- Extended set of AI applications from the **Blackford AI Portfolio** giving maximum flexibility through our strategic partner **Blackford Analysis**
- The broadest range of AI solutions from 50+ contracted AI vendors
- Support for home-grown AI applications

Deeper clinical insights
- Effortless generation of all relevant AI results
- Harmonized AI result representation
- Opportunistic screening to detect incidental findings
- Assists with detection[1,2] and faster diagnostic reading[3] of medical imaging
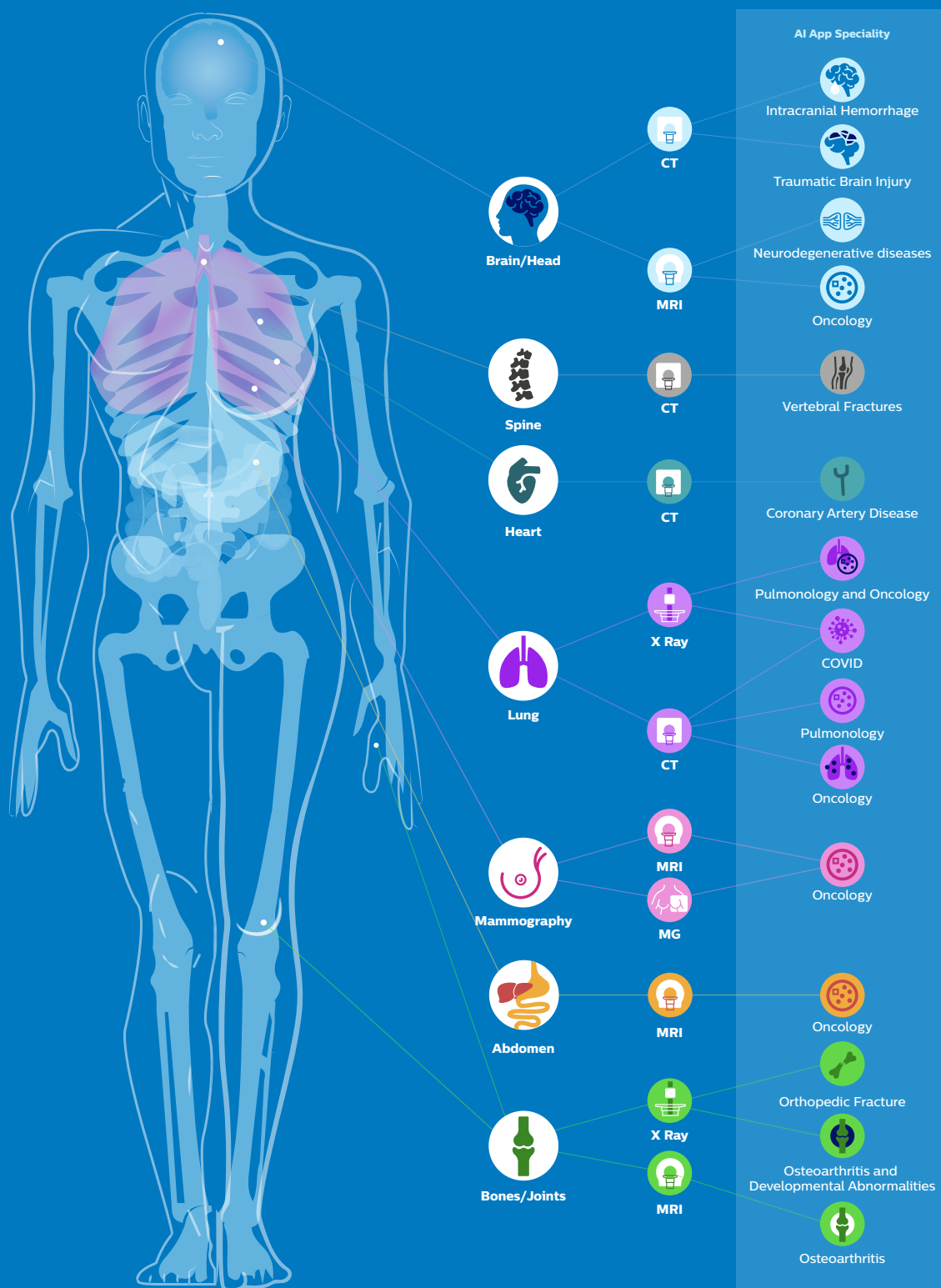- Precision diagnostics by objective quantification

"Implementation of artificial intelligence (AI) in healthcare will be a true revolution. Philips AI solutions, such as the Philips AI Manager, will help implementing AI and improving hospital operations and patient care"

M.A. van Buchem - Chairman, Department of Radiology - Leiden University Medical Center (LUMC)

Philips AI Manager

Fully scalable solution to host and execute multiple AI applications on a single study to support you with more comprehensive assessment and deeper clinical insights.

AI App Speciality

Brain/Head
- CT
- MRI
  - Intracranial Hemorrhage
  - Traumatic Brain Injury
  - Neurodegenerative diseases
  - Oncology

Spine
- CT
  - Vertebral Fractures

Heart
- CT
  - Coronary Artery Disease

Lung
- X Ray
- CT
  - Pulmonology and Oncology
  - COVID
  - Pulmonology
  - Oncology

Mammography
- MRI
- MG
  - Oncology

Abdomen
- MRI
  - Oncology

Bones/Joints
- X Ray
- MRI
  - Orthopedic Fracture
  - Osteoarthritis and Developmental Abnormalities
  - Osteoarthritis

Disclaimers:

Philips AI Manager is not intended for data interpretation or diagnosis.

Availability and functionality of the solutions and applications may vary per market. The functionalities and benefits of the solutions and applications may further depend on customer-specific configuration and use. Please contact your local Philips representative for market availability.

1. Freedman M, Lo B, Seibel J, and Bromley E. Improved detection of lung nodules with novel software that suppresses the rib and clavicle shadows on chest radiographs. Radiology. July 2011. 260, 265-273

2. Duron L, Ducarouge A, Gillibert A, Lainé J, Allouche C, Cherel N, Zhang Z, Nitche N, Lacave E, Pourchot A, FelterA, Lassalle L, Regnard N-E, Feydy A, Assessment of an AI Aid in Detection of Adult Appendicular Skeletal Fractures by Emergency Physicians and Radiologists: A Multicenter Cross-sectional Diagnostic Study, RSNA, May 4 2021

3. Computer-Aided Detection of Lung Nodules on CT With a Computerized Pulmonary Vessel Suppressed Function, ShihChung B. Lo, Matthew T. Freedman, Laura B. Gillis, Charles S. White, and Seong K. Mun, American Journal of Roentgenology 2018 210:3, 480-488

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