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INTELLIGENT ORTHOPAEDICS

A joint effort exploring

novel solutions for research and care
Image recognition

3 weeks later
Risk prediction
Augmented reality
Wearable devices
Cancer diagnostics
Healthcare management

Average Wait Time to Triage (mins)

PDSA Cycle 1: Standardization of ambulatory P1 and P2 criteria
PDSA Cycle 2: “Eyeball” Triage by Senior Nurses
PDSA Cycle 3: Creation of Triage Nurse Creation role
PDSA Cycle 4: Needs Analysis and Optimization of Triage Manpower
Research: optimization of prosthetic design
Research: prediction of cancer cell behavior
AI Joint Lab
Today’s Medicine at the crossroad

• Increasing costs and jobs allocated to healthcare (waste of resources, inefficiencies in workflow, inequities, insufficient time between patients and physicians)

• Deteriorating key outcomes (diagnostic errors, mistakes in treatment)
“Will doctors be AIs with a human touch?”

- Better treatment
- Better management

- More time
- More attention
- More interaction