11th Annual Enterprise Computing Community Conference

The Influence of Technology on Medical Education and Healthcare

Moderator: Dr. Alicia Slater, Dean, School of Science
Dr. Claudia Fenderson, Director, Doctor of Physical Therapy
Theresa Horvath, Director, Physician Assistant Program
Robert Scott Bostwick, Simulation Specialist

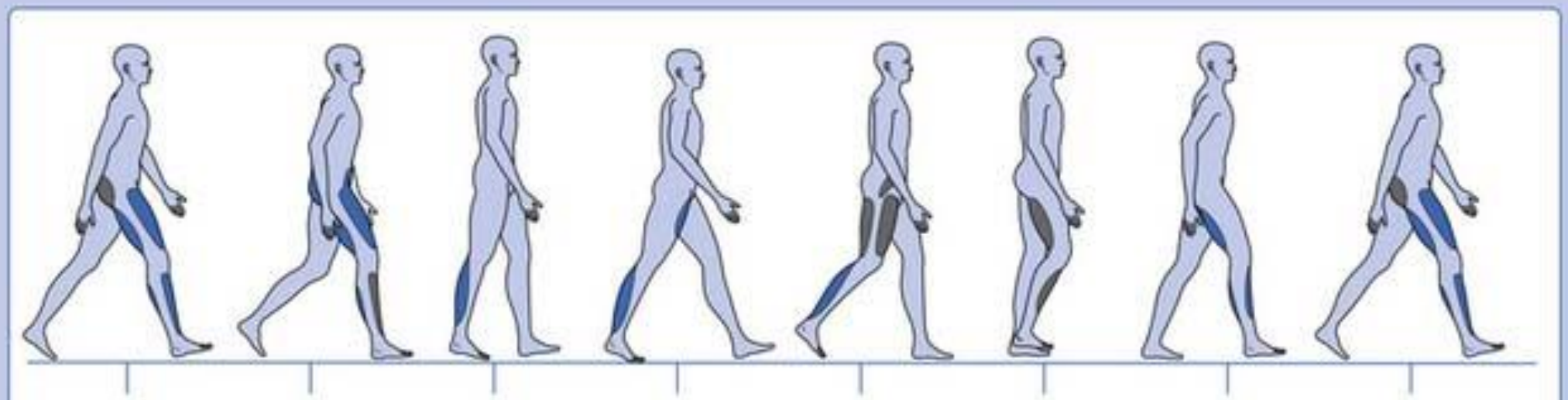
MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Movement Analysis

Dr. Claudia Fenderson PT, EdD

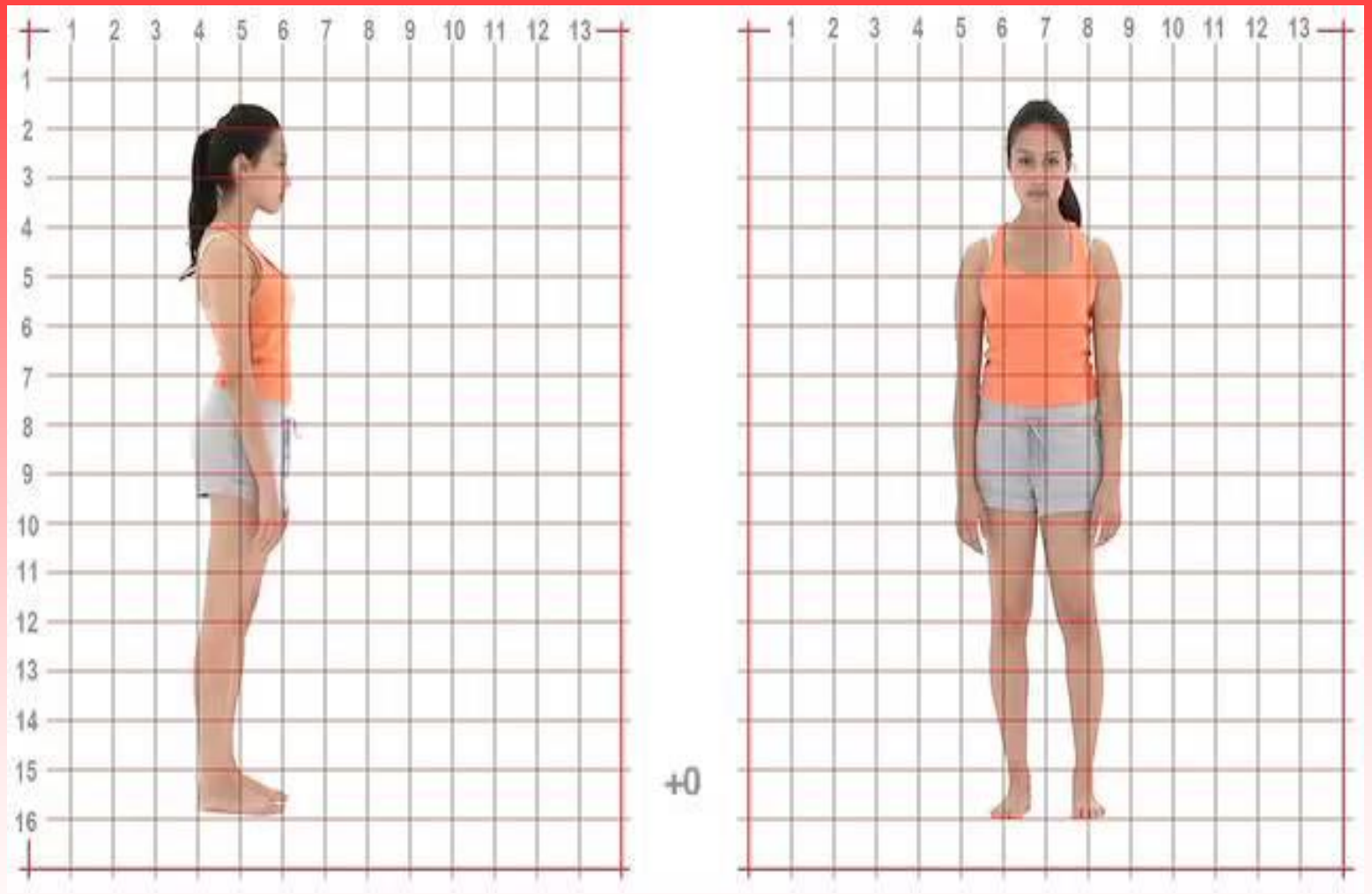
MARIST
SCHOOL OF SCIENCE



Stance Swing

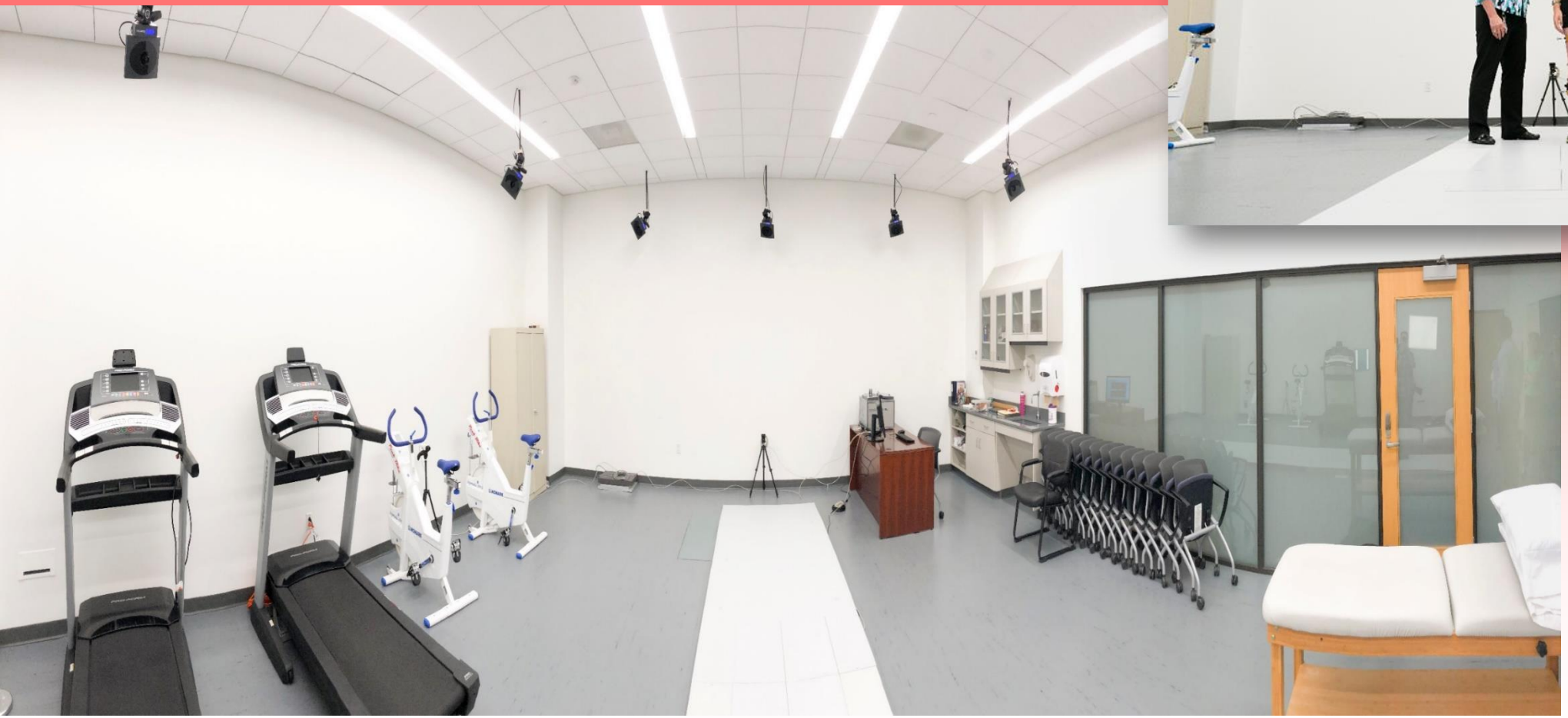
	IC	LR	MSt	TSt	PSw	ISw	MSw	TSw
Trunk–head								
Hip								
Knee								
Ankle–foot								

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.
MARIST
SCHOOL OF SCIENCE



MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.
MARIST
SCHOOL OF SCIENCE

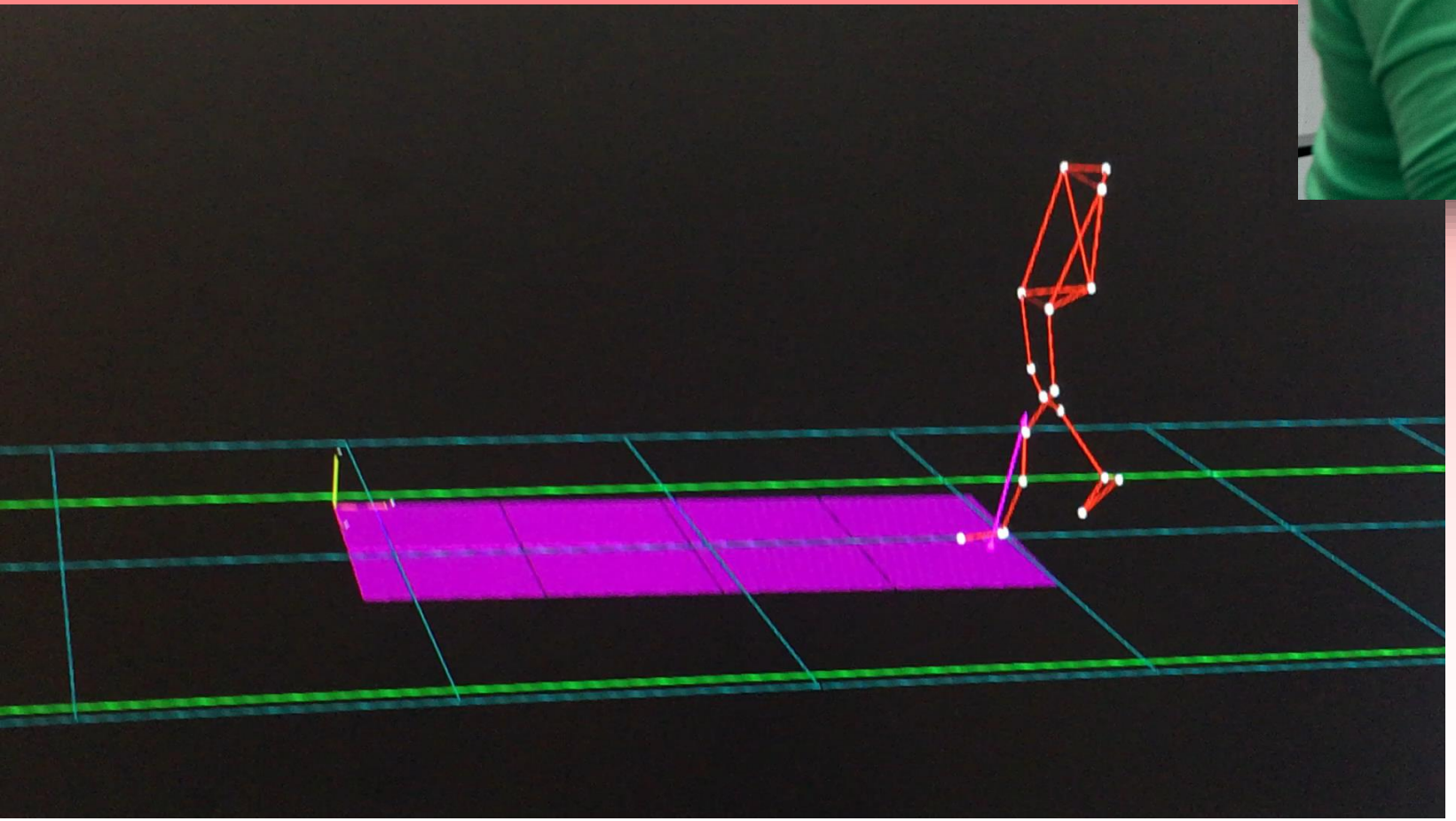
Movement Analysis Lab



MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Movement Analysis Lab



MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

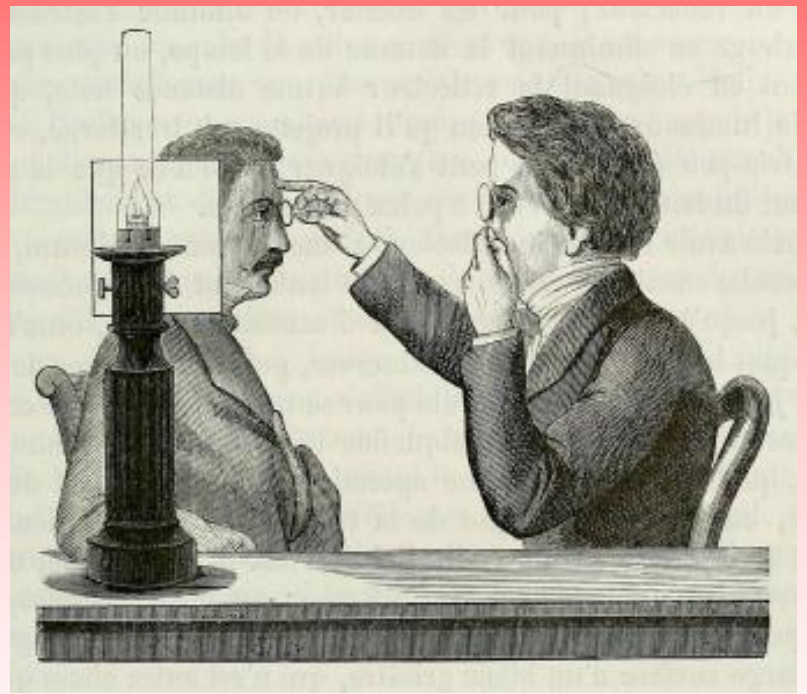
MARIST
SCHOOL OF SCIENCE

PanOptic Software for Eye Exam

Theresa Horvath, PA-C, MPH, DFAAPA

MARIST
SCHOOL OF SCIENCE

Historic method of performing eye exam



Use of an ophthalmoscope (Perrin, 1870, p.57; Duplay et al., 1898, p.17).

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.
MARIST
SCHOOL OF SCIENCE

iExaminer App Software and Hardware

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.
MARIST
SCHOOL OF SCIENCE

Using the iExaminer Software

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Live Demo

MARIST
SCHOOL OF SCIENCE

Versatility of Technology in Medical Education and Beyond

Robert Scott Bostwick, AEMT-P

MARIST
SCHOOL OF SCIENCE

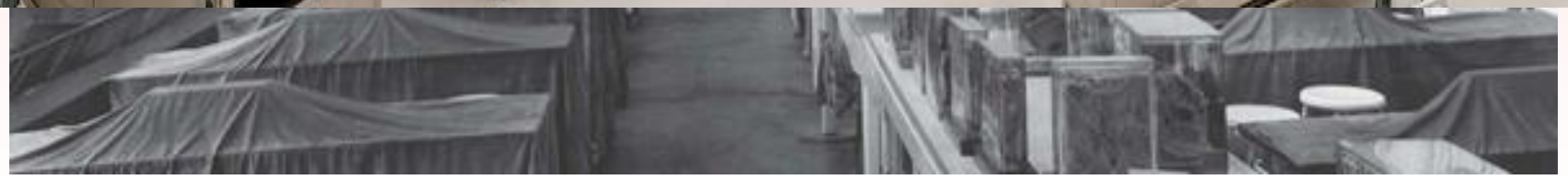
Three Categories for Consideration

1)Technology for basic sciences
2)Technology for clinical skills
3)Technology on the go

MARIST
SCHOOL OF SCIENCE

Technology for Basic Sciences

Anatomy Lab



MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

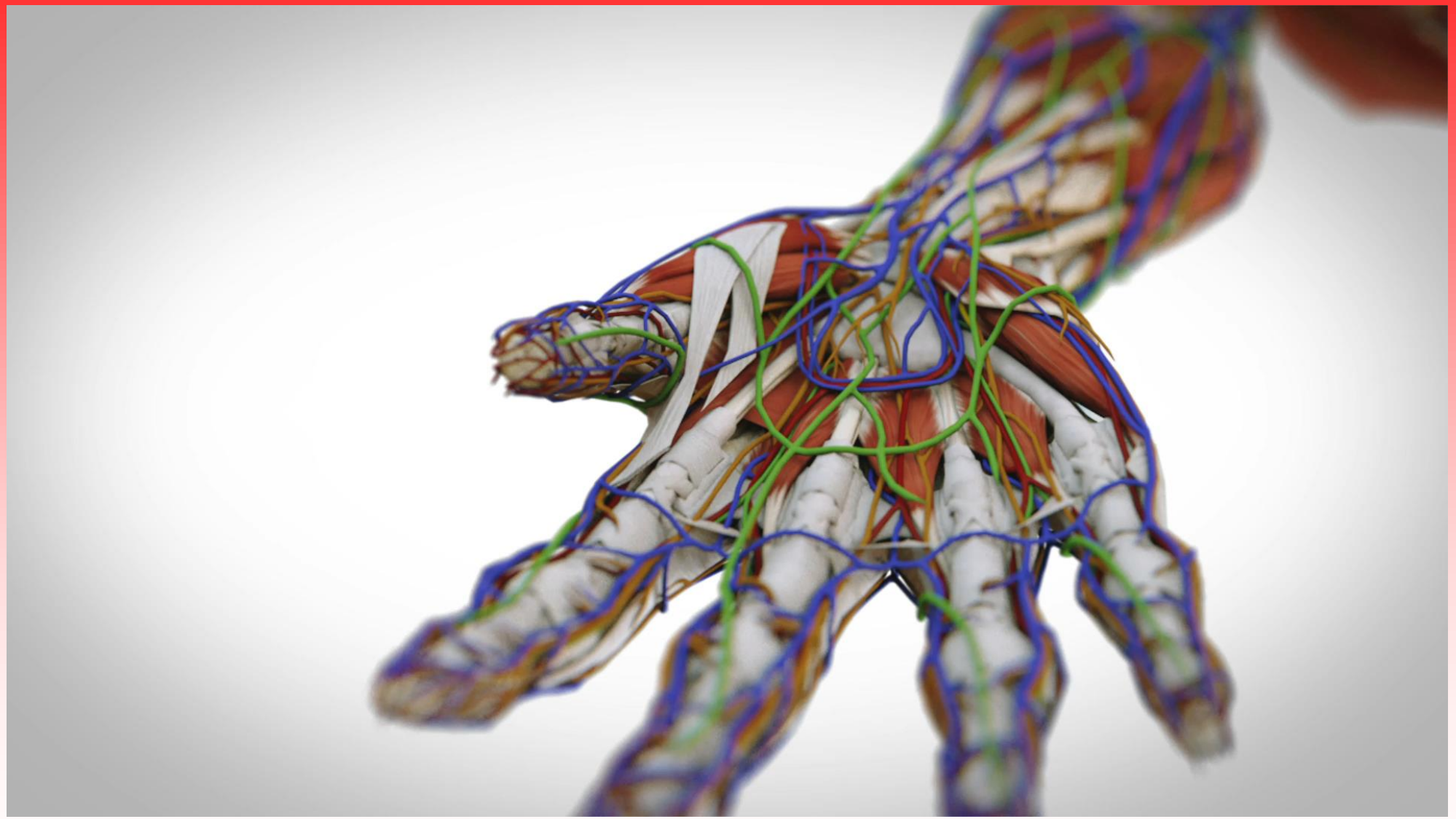
MARIST
SCHOOL OF SCIENCE

Anatomy Models

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Virtual Anatomy



MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Technology for Clinical Skills

Sim Lab

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Sim Lab

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Technology for Clinical Skills

Sim Lab

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Technology for Clinical Skills

Cutting edge manikins

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

OSCE Rooms

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

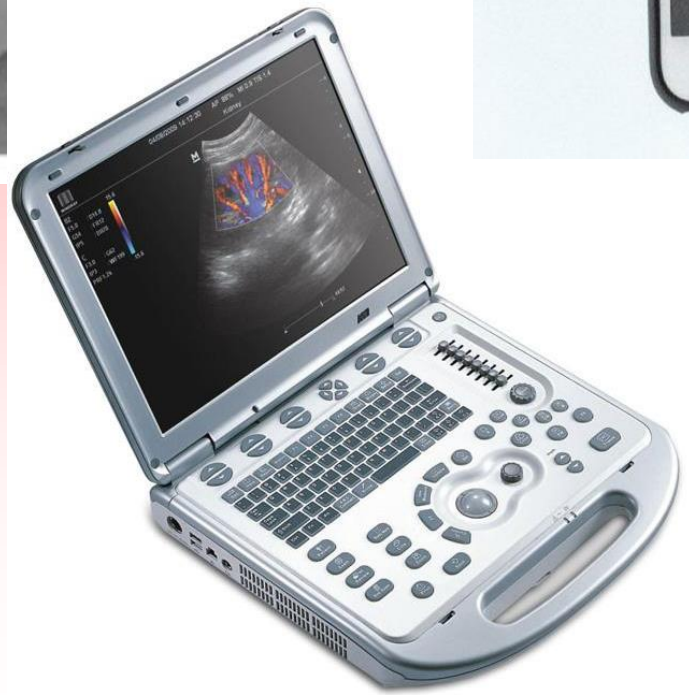
MARIST
SCHOOL OF SCIENCE

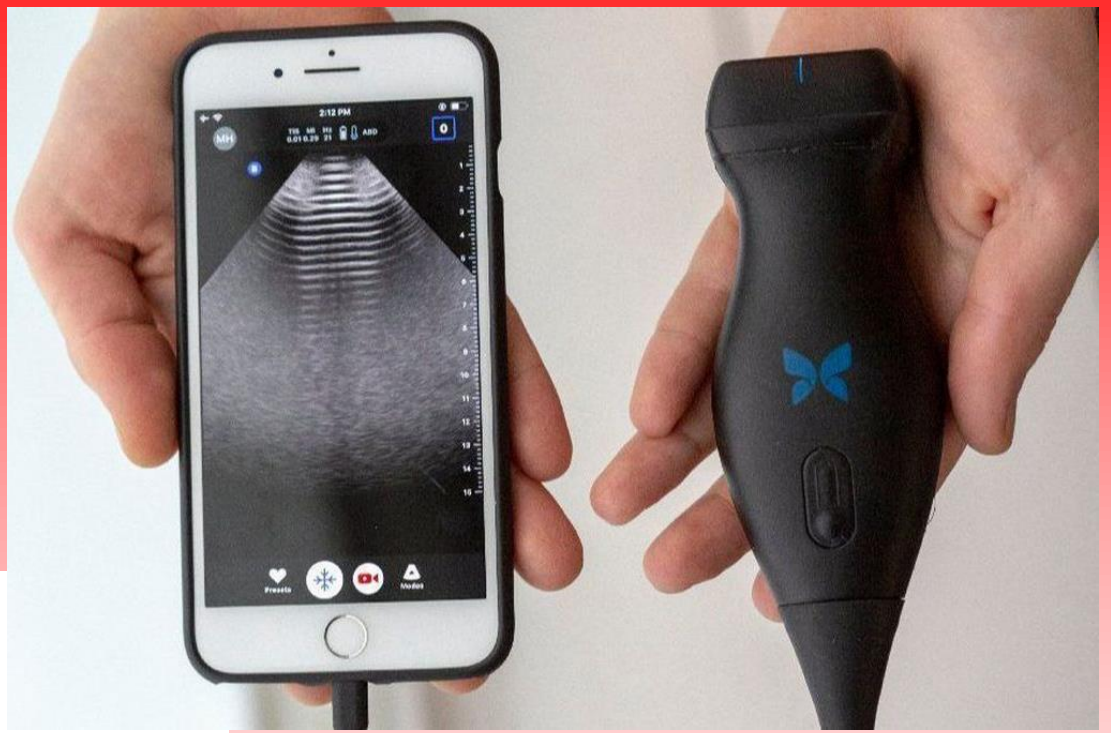
Standardized Patient Advanced Technology

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Technology On The Go





MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE

Thank you for listening!

Questions?

MARIST COLLEGE
ORARE ET LABORARE
1929
POUGHKEEPSIE, N.Y.

MARIST
SCHOOL OF SCIENCE