



Advanced Labor Process Management Simulator

Based on XR, AI, and Robotic Technologies

The Future of Medical Education, Today in Your Hands

For More Information,
Scan the QR Code Below



+984135251221

info@maternaplus.net

www.maternaplus.net

maternaplus.dt

2ND FLOOR, MEDICAL EQUIPMENT INCUBATOR CENTER,
HEALTH SCIENCE AND TECHNOLOGY PARK, TAVANIR, TABRIZ



Value Proposition for Educational Institutions

- **Realistic and Interactive Simulation:** Providing an advanced environment for medical and midwifery students to practice.
- **Crisis-Based Training:** Simulating labor processes (natural, cesarean, dystocia, breech) and managing complex conditions.
- **Enhanced Practical Readiness:** Offering a real-world experience before entering clinical settings.
- **Safe and Repetitive Practice:** Learning without risk in simulated conditions.
- **Multidimensional Training:** Data analysis, clinical decision-making, and observing the outcomes of actions.
- **Cost Reduction in Education:** Replacing practical training on real patients with simulators.
- **Attracting New Students:** Leveraging advanced technology to strengthen the educational brand.
- **Reporting and Feedback:** Providing detailed performance analysis to ensure continuous improvement.
- **Team Practice:** Strengthening collaboration between doctors, midwives, and nurses in a simulated environment.



Discover MaternaPlus – your gateway to the future of maternal care. MaternaPlus is transforming maternal health with advanced childbirth simulations for healthcare providers and educational tools for expectant mothers. Dive into our story and see how we're transforming care and education in the maternal health field.

Simulator Introduction:

The Labor Process Management Simulator is designed to train and assess users' skills in four areas:

- Natural childbirth
- Cesarean section
- Dystocia
- Breech birth

This simulator uses XR and AI technologies to evaluate user performance and provide accurate feedback.

Target Audience:

- Obstetricians and gynecologists
- Midwives
- Medical students and residents
- Hospitals, healthcare, and educational centers
- Emergency technicians
- Red Crescent rescuers



Challenges and Needs:

Medical Errors: Lack of sufficient practice in managing critical labor conditions.

Inadequate Preparedness: Limited experience of healthcare teams in rare and complex situations.

Limited Practical Training: Difficulty in creating a safe environment for practice.

High Costs: Traditional training methods are costly and time-consuming.

Lack of Interactive Tools: Inability of existing tools to accurately replicate real-life conditions.

Used Smart Technologies



Sensors and Tracking

Precise
Monitoring of User
Movements



Data Analysis

Data Collection and
Performance
Reporting



Digital Twin

Simulation
of Maternal and
Fetal Vital Signs



Artificial Intelligence (AI)

Performance
Analysis and Pre-
diction of Treat-
ment Outcomes



Extended Reality (XR)

Interactive
Reconstruction of
Labor
Environments



Features, Benefits, and Impacts

Key Features:

- **Realistic Simulation:** Natural childbirth, cesarean, and more.
- **Advanced Tech:** XR and AI for interactivity.
- **Customization:** Diverse, customizable scenarios.
- **Analysis & Reporting:** Real-time feedback.
- **Team Practice:** Enhances collaboration.
- **Safety & Repetition:** Risk-free learning.

Benefits:

- **Skill Enhancement:** Faster, more accurate decision-making.
- **Cost Reduction:** No need for real patient practice.
- **Quality Improvement:** Better healthcare and education.
- **Attracting Individuals:** Strengthens institution brand.
- **Productivity Increase:** Boosts team coordination.

Impacts:

- **Reduced Errors:** Better health outcomes.
- **Educational Transformation:** Higher standards.
- **Increased Trust:** Enhanced patient satisfaction.



The Simulator Package Includes

- One-year warranty
- Five years of after-sales service
- One VR Support computer
- Virtual Reality headset
- Simulator engine
- Mannequin
- Microcontroller processor with other accessories

Why Use Extended Reality (XR) Technology



4X

Greater Focus
Compared to
Other E-Learning
Methods



3.7%

Better
Engagement
vs. Traditional
Classes



275%

Increased
Confidence in Skill
Application After
Training

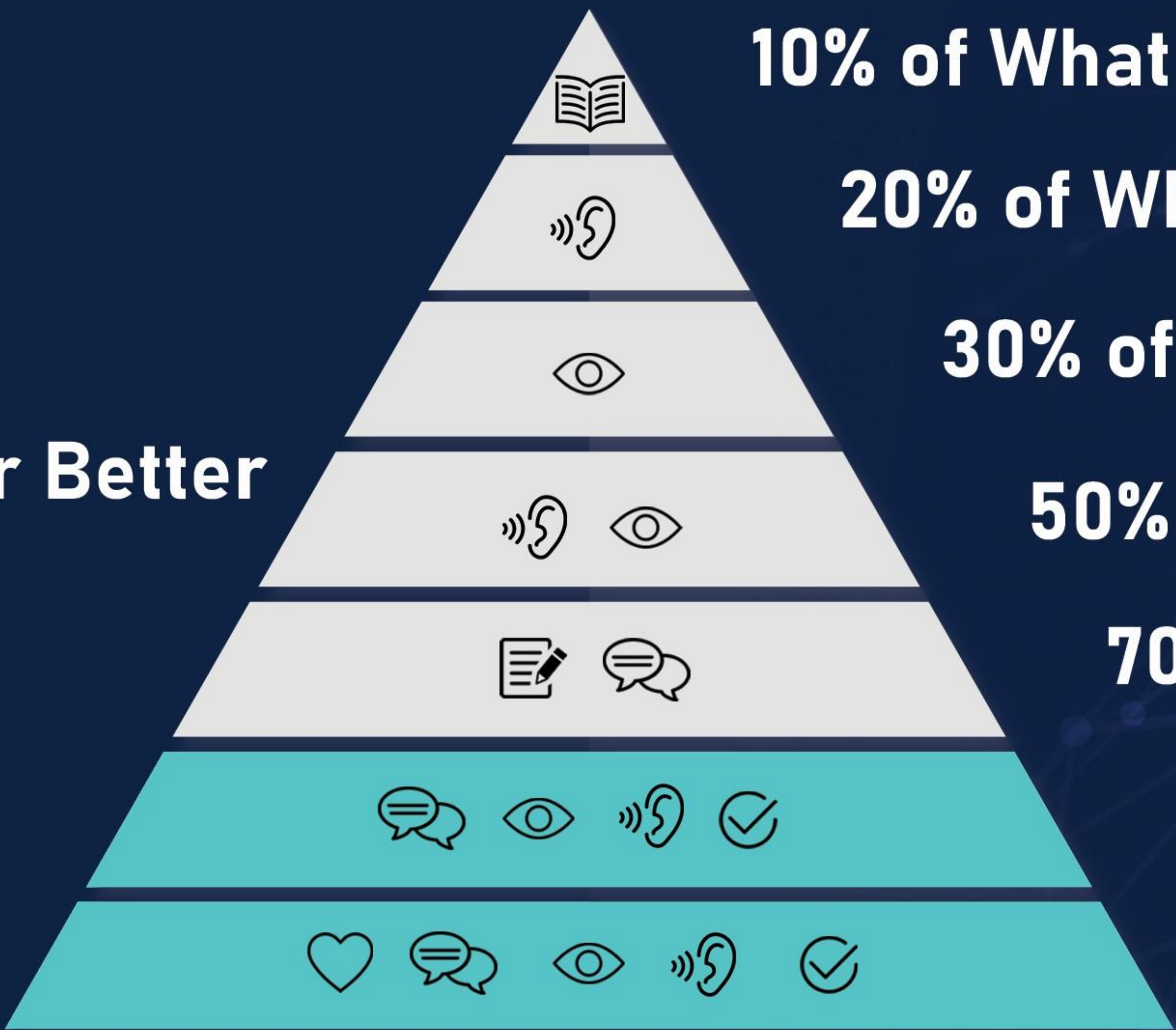


4X

Better Concept
Transfer Compa-
red to Classroom
Learning



Learners Remember Better



10% of What They Read

20% of What They Hear

30% of What They See

50% of What They Hear and See

70% of What They Say and Write

90% of What They Do

95% of What They Do and Feel

Company Product Package

- Adult Cardiopulmonary Resuscitation (CPR) Simulator
- Pregnant Woman Cardiopulmonary Resuscitation (CPR) Simulator
- Newborn Cardiopulmonary Resuscitation (CPR) Simulator
- Child Cardiopulmonary Resuscitation (CPR) Simulator
- Drowning Victim Cardiopulmonary Resuscitation (CPR) Simulator
- Accident Scene Management Simulator
- Advanced Cardiopulmonary Resuscitation (CPR) Simulator
- Natural Childbirth Process Management Simulator
- Cesarean Childbirth Process Management Simulator
- Breech Birth Process Management Simulator
- Dystocia Childbirth Process Management Simulator