

## VR-Emergency room Skills List of educational contents

### Preparation

### Primary Survey

### Interprofessionals Collaboration

### Medical leadership training

- Preparing medical equipment
- Vital signs assessment
- Thoracic auscultation
- IV placement / fluid administration
- Intubation
- Log rolling
- Hemostasis
- C-Line insertion
- Foley catheter insertion
- Wall O2
- Dressing
- Blood test
- FAST examination
- Trauma series X-Ray check

QUALITY  
EFFICIENCY  
ACCESSIBILITY

# VR-Emergency room Skills



### Active simulation scenarios

The simulator, which is interactive and can simulate specific situations, provides over 50 treatments and various test results.



### Interaction through multiplayer

Up to 10 users can connect online and interact with voice in a digital environment.



### Verified content

To ensure standardization and reliability, it was completed with feedback from various faculty and medical staff.

View Image  
Video here:



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VR Medical Contents

**VRAD**

More Efficient, More Convenient

# VR-Emergency room Skills

VR-Emergency room Skills simulator is a Interprofessional training simulator that allows multiple medical team to learn together how to treat patients.

Collaborative simulation training is fraught with many difficulties, from bringing together medical staff from various professions to reproducing the situations necessary for training. It was created to resolve these difficulties and improve the burden on medical staff and patient safety.

Various situations based on the contents of the world-famous ABCDE Primary Survey can be implemented through the console, and up to 10 doctors and nurses can access online and conduct various training through voice chat and interaction.

We invite you to experience Severe Trauma Management simulator, a more efficient interprofessional training tool.



## Accurate simulation of a complex environment

### Active simulation algorithm

In a 'digital twin environment' similar to an actual clinical trial, multiple users can communicate in real time through voice chat, practice medical judgment and decision-making, and learn medical treatment processes. By providing an active environment where learning results vary depending on the patient's condition and treatment, you can experience various medical situations as if they were real. Additionally, administrators can effectively manage the simulation through a control console, such as monitoring the learning process at various points, adjusting vital signs, or issuing additional instructions.



## Collaboration with clinical medical institutions

### Trauma care Scenarios

VR-Emergency room Skills simulator was developed based on the internationally recognized 'ABCDE Primary Survey' protocols, ensuring the standardization and reliability of the treatment process for severe trauma patients. We visited Ajou University's Severe Trauma Center in person to record and reflect the actual treatment process, and continued to revise and supplement it through inspection and verification at Ewha Womans University Medical Center. We developed more reliable content by reflecting feedback from various professors, medical teams, and Ministry of Health and Welfare officials.

