VIRTUAL REALITY NURSING

SUGGESTED INTRO:
INTERACTIVE ROBOTIC SIMULATORS ARE HELPING
NURSING STUDENTS EXPERIENCE LIFE-LIKE
PATIENT CARE WITHOUT EXPOSING A REAL PERSON
TO DANGER. MORE IN THIS REPORT:

[VIDEO]
Student nursing team works on Sim-Man patient robot.
Shots of chest resuscitation, ventilation, blood-pressure monitor, etc.

[ON-CAMERA INTERVIEW]
SOT#1 & SUGGESTED SUPER:
KAREN JOHNSON-GUY, NURSING
STUDENT, CASE WESTERN
RESERVE UNIVERSITY
Cut-away to hand feeling Sim-Man for pulse. Cut back to Johnson-Guy.

[AUDIO] [VOICEOVER] open
HE BREATHES, AND HAS BLOOD PRESSURE AND A PULSE. HE’S SIM-MAN, A ROBOTIC PATIENT THAT IS CHANGING HOW TOMORROW’S NURSES ARE TRAINED. ONE OF THE FIRST SIM-MAN UNITS IS ON-LINE AT CASE WESTERN RESERVE UNIVERSITY’S FRANCIS PAYNE BOLTON SCHOOL OF NURSING. THE SIMULATOR CAN PRESENT MOST TYPES OF PATIENT EMERGENCIES FOR STUDENTS TO TREAT. KAREN JOHNSON-GUY IS A SENIOR NURSING STUDENT AND SAYS SIM-MAN HAS MADE A BIG DIFFERENCE IN HER NURSING EDUCATION.

[INTERVIEW] “I do feel like I’ve worked on a patient after working on Sim-Man. Sim-Man breathes on it’s own. Sim-Man has a heart-rate, has palpable pulses. Being able to practice on a robot instead of actually having to practice on a human life does matter. I can become more proficient practicing on a robot.”

(TRT :26)

-more-
VIRTUAL REALITY NURSING - 2

[VIDEO]
Shots of nursing instructor and student using the Cath-Sim virtual patient computer to practice drawing blood.

[ON-CAMERA INTERVIEW]
SOT#2 & SUGGESTED SUPER:
JOHN CLOCHESY, PROFESSOR OF NURSING, CASE WESTERN RESERVE UNIVERSITY
Cut-away to shot of nursing team working on Sim-man. Cut back to on-camera interview.

Cut to shot sequence of student nursing team working on Sim-Man.

Cut to black.

[VOICEOVER] bridge
INTER-ACTIVE COMPUTERS ARE ALSO TEACHING FUTURE NURSES EVERYDAY SKILLS LIKE DRAWING BLOOD, IN A VIRTUAL REALITY ENVIRONMENT. THE SYSTEM LETS STUDENTS FEEL SENSATIONS LIKE SKIN RESISTANCE DURING A TRAINING SESSION AND WILL EVEN LET THEM KNOW IF SOMETHING GOES WRONG. JOHN CLOCHESY, A PROFESSOR OF NURSING, SAYS THE VIRTUAL PATIENTS GIVE STUDENTS THE CONFIDENCE TO BE BETTER NURSES.

[INTERVIEW] “Whether it’s Cath-Sim or Sim-Man, the students really can go through the same situation over and over again if they choose and many students learn better that way. Students minimize their anxiety before they get into the clinical situation. They can practice things before they have to do it with a real patient. Another student one day said, If I would have done that to a real live patient they may have been harmed or they might have died, and it was OK because I didn’t kill Sim-Man, and we jokingly said well you did but he comes back to life on a regular basis.” (TRT :28)

[VOICEOVER] close
JUDGING BY ITS SUCCESS, CLOCHESY EXPECTS TO SEE PATIENT SIMULATORS LIKE SIM-MAN IN NURSING SCHOOLS ACROSS THE COUNTRY. THIS IS DAVE NAROSNY REPORTING FROM CASE WESTERN RESERVE UNIVERSITY, CLEVELAND.

-CWRU-

For additional information contact Jeffrey Bendix at (tel.) 216.368.4440 or email to jxb34@po.cwru.edu