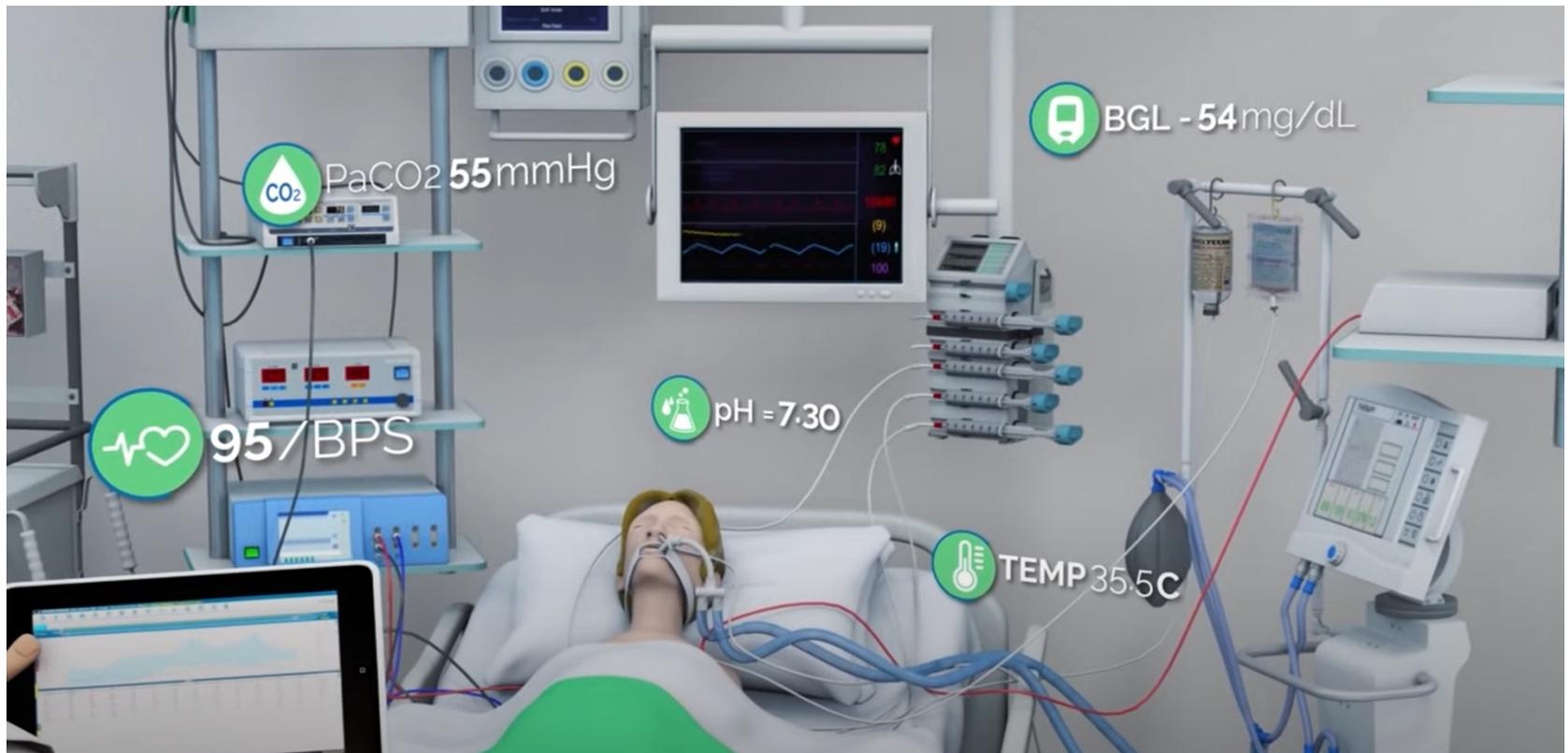


# Implementation of MetaVision in our Critical Care Unit



# What is MetaVision?

- A Clinical Information System (C.I.S.). An information system that is specifically designed for use in the Critical Care setting.
- With the goal being to integrate, collect and manage patient data from a number of sources to support clinical decisions in the context of patient care.



## The Data is captured via a Medical Device Information Platform (MDIP)

- Retrieves live, real-time data from multiple sources.
- Ventilators, bed-side monitors, CVVHDF, fluid/medication pumps, blood analyser, laboratory
- Hundreds of data parameters each minute for each patient.
- Specific parameters are then displayed on the bedside work station



- Patients data can be reviewed by the Multi- Disciplinary Team from any PC Trust wide.  
Generates : Quality improvement, Clear evidence of patient care, timely feedback and discussions between health care workers , New Ideas ( to improve )





# The Future

- WHAT DO WE DO WITH THE DATA- Develop better system functionality
- Sequel Server Reporting System (SSRS) Query Wizard- extract specific data - down to minute detail/ interventions ie; number of blood glucose below 6
- VISUAL BASIC LANGUAGE- Scripts behind each parameter to generate another action
- Better integration with hospital IT platform-prescribing....

# Metavision – electronic prescribing

- At York and Scarborough Trust we have an in-house developed EPMA system
- Metavision comes with it's own prescribing module
- Therefore has to set up and implement a whole new system if to use Metavision prescribing

# Electronic Prescribing

- Advantages of using Metavision to prescribe
  - Can prescribe all medications, IV fluids and feeds in one place
  - Metavision will calculate patient fluid balance
  - Administration information can be taken directly from the infusion pumps / devices
- Main disadvantage is the need to transcribe medications onto different systems

# Electronic Prescribing – Set up

- When at tender stage there were no published guidelines on connectivity between hospital prescribing systems

*However*

- This changed during implementation meaning we needed to set up a database compatible with dm+d and snowmed

# Electronic Prescribing - Now

- Created >1100 item database for drugs prescribed on ICU
- Includes 'templates' for common prescriptions
- Manual transcription has to take place when patients are admitted to and discharged from ICU

# Electronic Prescribing – The Future

- Ongoing work to create drugs libraries for use on ICU to allow integration of pumps to Metavision
  - Will mean when nurses change rate on the pump it will automatically be updated on Metavision
- Prescribing system connectivity
  - A long way in the future but aim is for transfer of prescriptions from one system to another

