How AI powered virtual reality can help train clinicians of the future
Case study: Paediatric Trauma

By Devi Kolli

oculus | A.i.Solve | Children's Hospital LOS ANGELES We Treat Kids Better | BIOFLIGHTVR

Care delivery

Issues & solutions that are impacting care delivery

The number of hospital beds are declining spurred by regional economic slumps, decreased government spending on health care, hospital closings and consolidations, and pricing pressures

Intermittent or chronic funding shortfalls combined with other market drivers

Technology-enabled, virtual care to help bridge the care delivery gap

Lack of access to basic health care services and variations in care quality

Lack of clinicians-especially general practitioners and specialists

Addressing social determinants of health and wellness are anticipated to have an increasing impact on the care equation

Why am I here | What can we do as an Industry
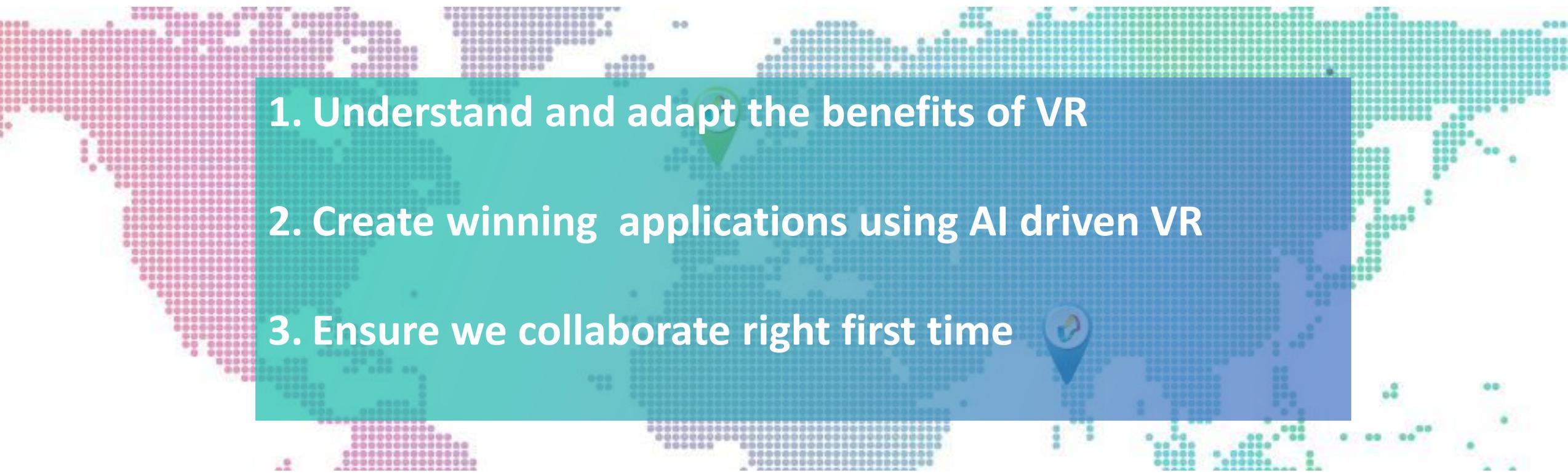
1. Understand and adapt the benefits of VR

2. Create winning applications using AI driven VR

3. Ensure we collaborate right first time

Who am I | **and my relevance to this session**

Technology is great when it:

1. Connects people

2. Connects people to knowledge (OR)

3. Connects people to skill
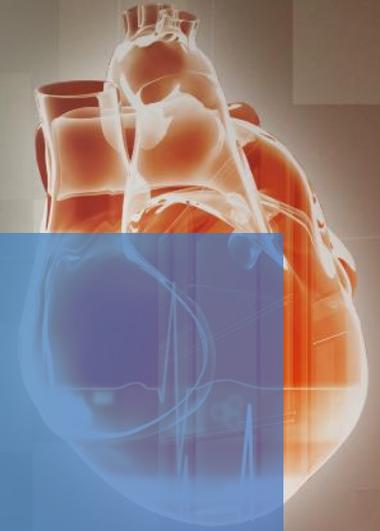
**Why effective collaboration is KEY**

Subject Experts

Hardware Partners

Software Partners

User Trials & Evaluation

Gameplay & Creatives

VR

Integration & Testing
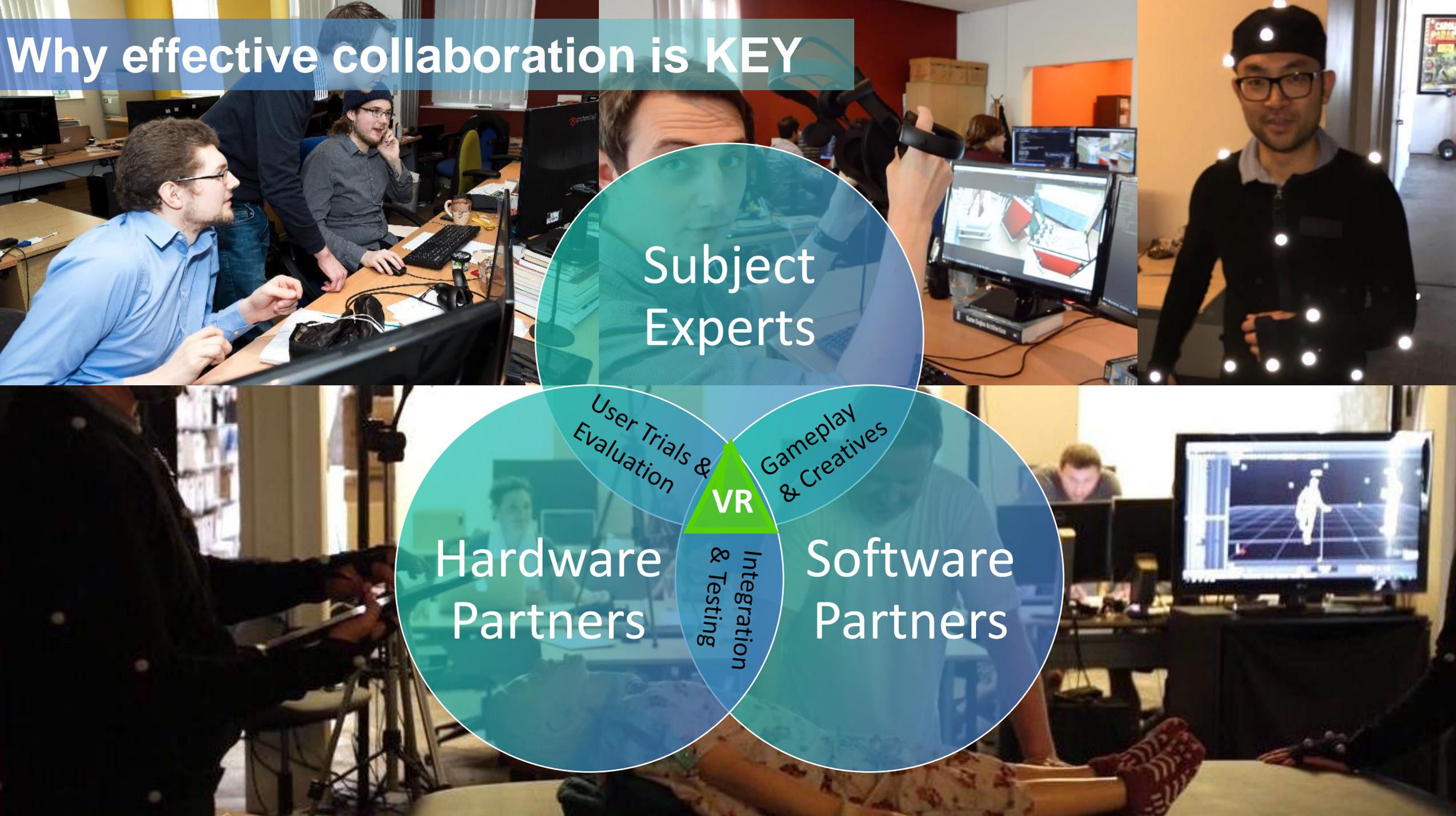
Committed to the mission
_____

Logical and or technical thinking
_____

Hobby gamer (preferred but <u>not</u> essential)

Our subject experts | their unique skills

Hardware Experts | why are they special

A device that allow us to suspend our dis-belief and delivers not only high quality feed but also designed to be extremely ergonomic and easy to use.

oculus | vr for good

Software experts | play the role of Trusted Advisors

Trusted Advisor =
$$\frac{\text{Credibility} + \text{Reliability} + \text{Intimacy}}{\text{Self-orientation}}$$

CREDIBILITY, through right product advice

RELIABILITY, do what's best for the product

INTIMACY, bold enough to challenge the spec

SELF ORIENTATION, truly believe in your mission

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BIOFLIGHTVR

Patient vital signs return to default?

EVENT HR dropping SpO2 dropping

Is patient alive?

Game Over

No

No decision

Nurse stops user

Vital signs drop slower, patient not stabilized

Yes

User decision

Temporary effects of medication

Medication

Incubation equipment

Correct action

100% NRB

Other Airway Tool

Scene 3
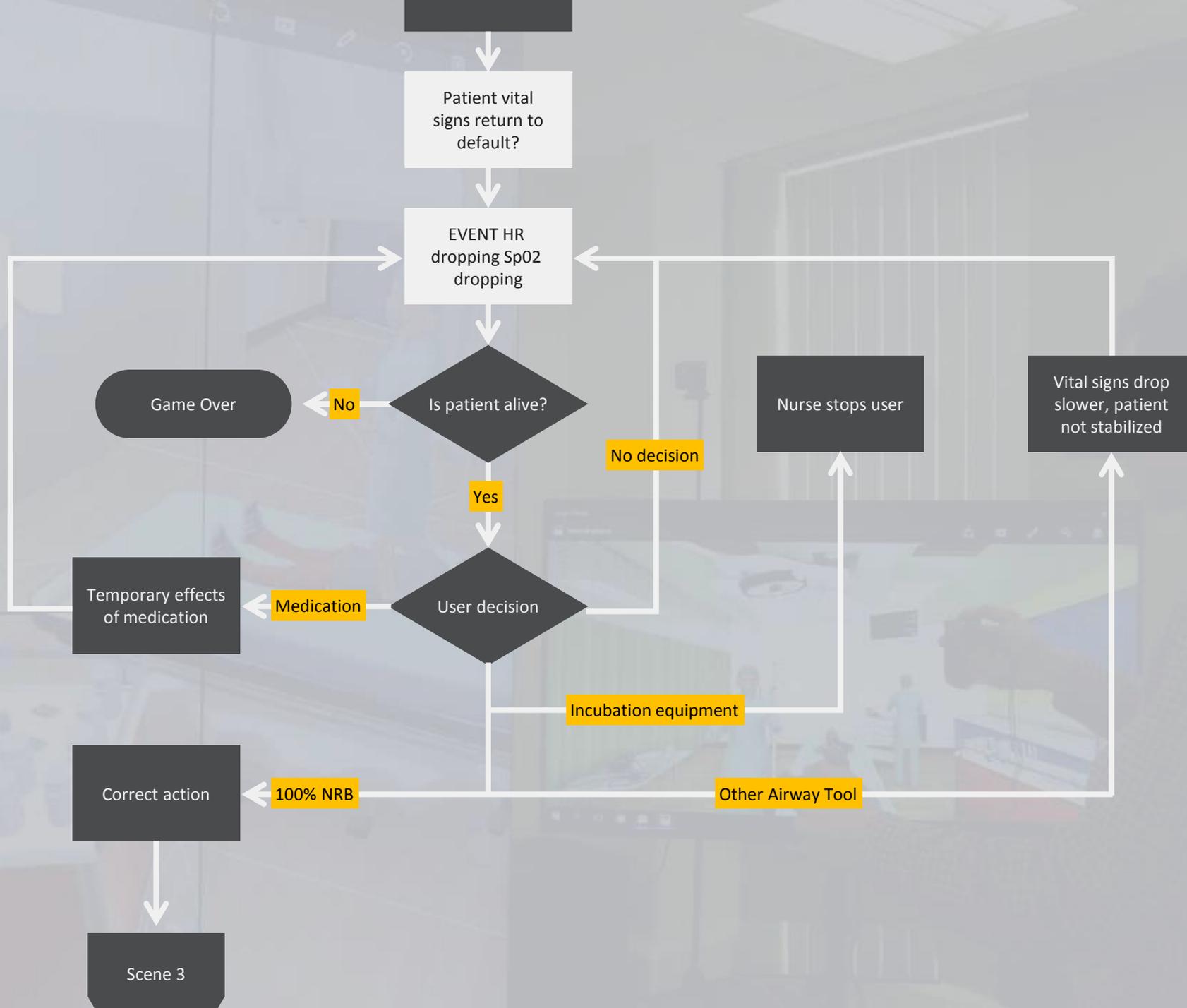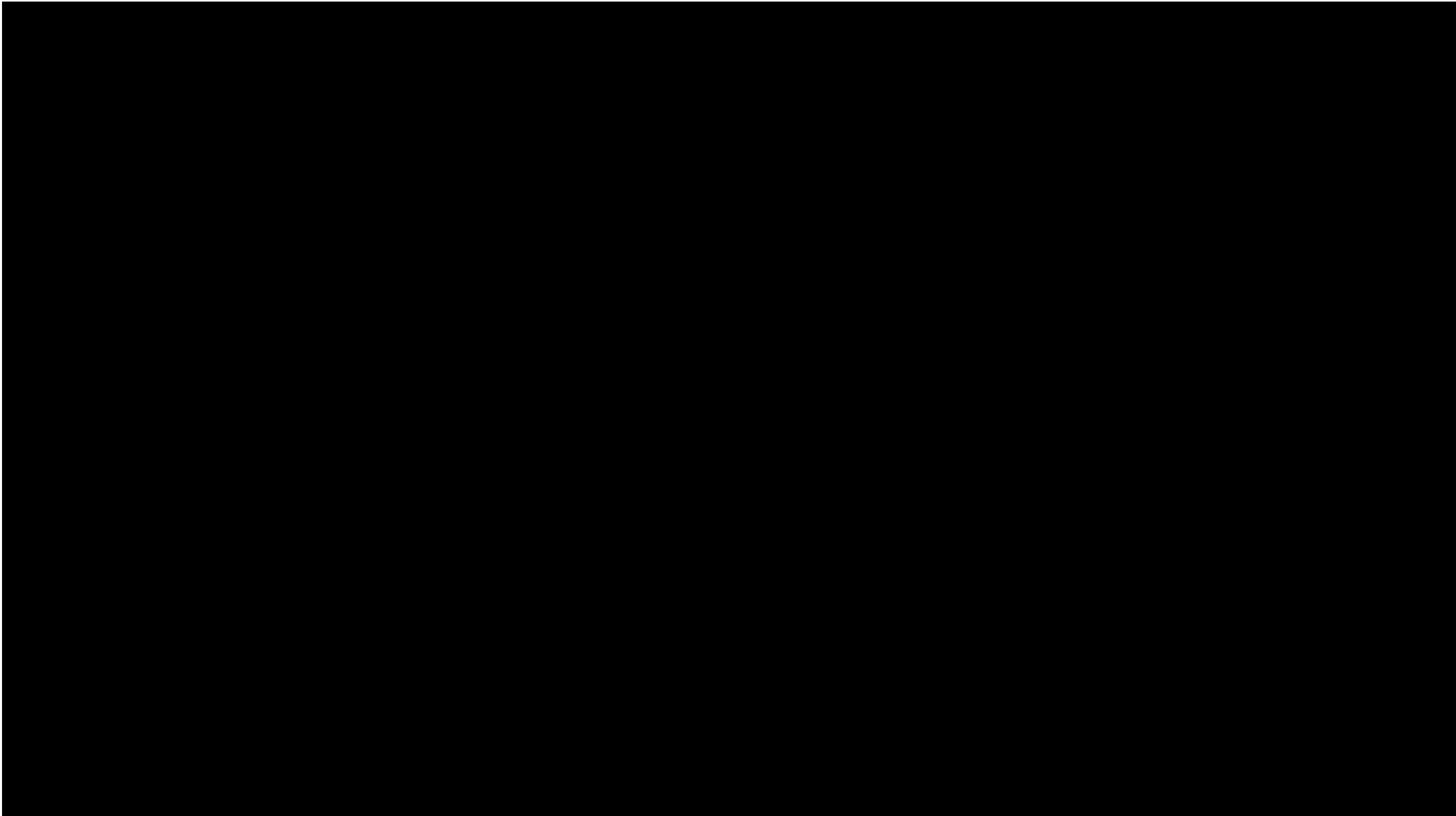
THANK YOU

Challenge simulations to NEW LEVEL

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