

SIMULATION CHECKLIST



Step 1: Planning

ACTIONS	
<input type="checkbox"/>	Proposal to stroke champion (will make contacts and provide info)
<input type="checkbox"/>	Decide on Type of simulation: <ul style="list-style-type: none"><input type="checkbox"/> Pathway simulation (pathway optimization)<input type="checkbox"/> Decision making simulation (training)<input type="checkbox"/> Blind simulation (see if priority actions have been implemented) * * only brief patient and family about the case
<input type="checkbox"/>	Agree on the simulation date
<input type="checkbox"/>	Choose volunteers: EMS, Nurse and MD ED, Nurse and MD Stroke unit/neurology, radiology, interventional Neuroradiology, lab analyst, porter, administration, patient/relative
<input type="checkbox"/>	Prepare Simulation PPT
<input type="checkbox"/>	Agree on Simulation agenda
<input type="checkbox"/>	Book a room in hospital for briefings (check if projector is available; check cables connections)
<input type="checkbox"/>	Choose clinical case (Body Interact case or Brainomix case or hospital local case)
<input type="checkbox"/>	Get hospital approvals

MATERIALS	
<input type="checkbox"/>	Authorization letter addressed to HCP
<input type="checkbox"/>	Hospital release form
<input type="checkbox"/>	Simulated patient consent form
<input type="checkbox"/>	Stroke bag donation contract (if left behind)
<input type="checkbox"/>	Stroke team notification
<input type="checkbox"/>	Simulation PPT
<input type="checkbox"/>	Agenda

Step 2: Briefing

ACTIONS	
<input type="checkbox"/>	Inform and prepare team
<input type="checkbox"/>	Set goals
<input type="checkbox"/>	Raise motivation
<input type="checkbox"/>	Share data (regional and/ or national)
<input type="checkbox"/>	Distribute simulation vests

MATERIALS	
<input type="checkbox"/>	Simulation PPT
<input type="checkbox"/>	Angels + Form
<input type="checkbox"/>	Folders with checklists
<input type="checkbox"/>	Branding
<input type="checkbox"/>	Regional and/or national data
<input type="checkbox"/>	Hospital flowchart
<input type="checkbox"/>	Critical movements checklist
<input type="checkbox"/>	Simulation vests



Step 3: First simulation

ACTIONS

☐

Run simulation to identify bottlenecks and stroke patient pathway

MATERIALS

☐

Clinical scenario Body interact (Irene # 32) or own clinical case of hospital (for patient symptoms and vitals)

☐

Clinical tests Body Interact or Brainomix (example # 2) (for CT imaging)

☐

Checklists

☐

Stopwatch App

☐

GoPro

☐

Simulation vests

☐

Clipboard

☐

Critical movement checklist

☐

Graphs with delays

STOP SIMULATION

✓ After bolus

✓ Admission to stroke unit

✓ Patient in Angio-Suite

✓ After decision making

Step 4: First debriefing

ACTIONS

☐

Create action plan with stroke team; Bottleneck analysis

☐

Start with positive points, excel graphs

☐

Show the video

☐

Write Simulation report

MATERIALS

☐

Action item list (matrix) or Table What/ How/ When

☐

Hospital Flowchart

☐

Graphs with delays

☐

Action agreement (Improving actions to test in the second simulation)

☐

Stroke bag

☐

Stroke bag inventory list

☐

Helsinki poster

☐

Benchmark videos (Komarno and Nitra videos; 5min video)

☐

Table listing positive and negative points

Step 5: Second simulation

ACTIONS

<input type="checkbox"/>	Test the new pathway
<input type="checkbox"/>	Agree on priority actions

MATERIALS

- ☐ Clinical scenario Body interact (Irene # 32) or own clinical case of hospital (for patient symptoms and vitals)
- ☐ Clinical tests Body Interact or Brainomix (example # 2) (for CT imaging)
- ☐ Checklists
- ☐ Stopwatch App
- ☐ GoPro
- ☐ Simulation vests
- ☐ Clipboard
- ☐ Critical movement checklist

Step 6: Second debriefing

ACTIONS

<input type="checkbox"/>	Compare 1st and 2nd simulation delays
<input type="checkbox"/>	Agree on Action plan
<input type="checkbox"/>	Show GoPro video
<input type="checkbox"/>	Write report about agreed changes, graphs and deadlines
<input type="checkbox"/>	Translate number of saved neurons into distance (km) in country
<input type="checkbox"/>	Discuss quality monitoring

MATERIALS

- ☐ Wing pins
- ☐ Flowchart
- ☐ Monitoring: Helsinki poster
- ☐ Simulation certificate

