

A GESTURE BASED TOOL FOR STERILE BROWSING OF RADIOLOGY IMAGES.

The current methods for interaction are different where they use glove or sensors. So a direct comparison of our work is not possible, although the method used in this work can be compared with existing implemented methods.

This is a text box...

This is a text box...

2-8 people recommended

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

① 10 minutes

Team gathering All my team members has to participate.

Set the goal

The nature of gestures used in different interaction interfaces is explored, along with the reasoning, if present, behind the gesture

FACILITATION TOOLS 2.Taking videos. 3.Sensors.

Open article →

The use of doctor-computer interaction devices in the

medical imaging manipulation while allowing doctors'

hands to remain sterile, supporting their focus of

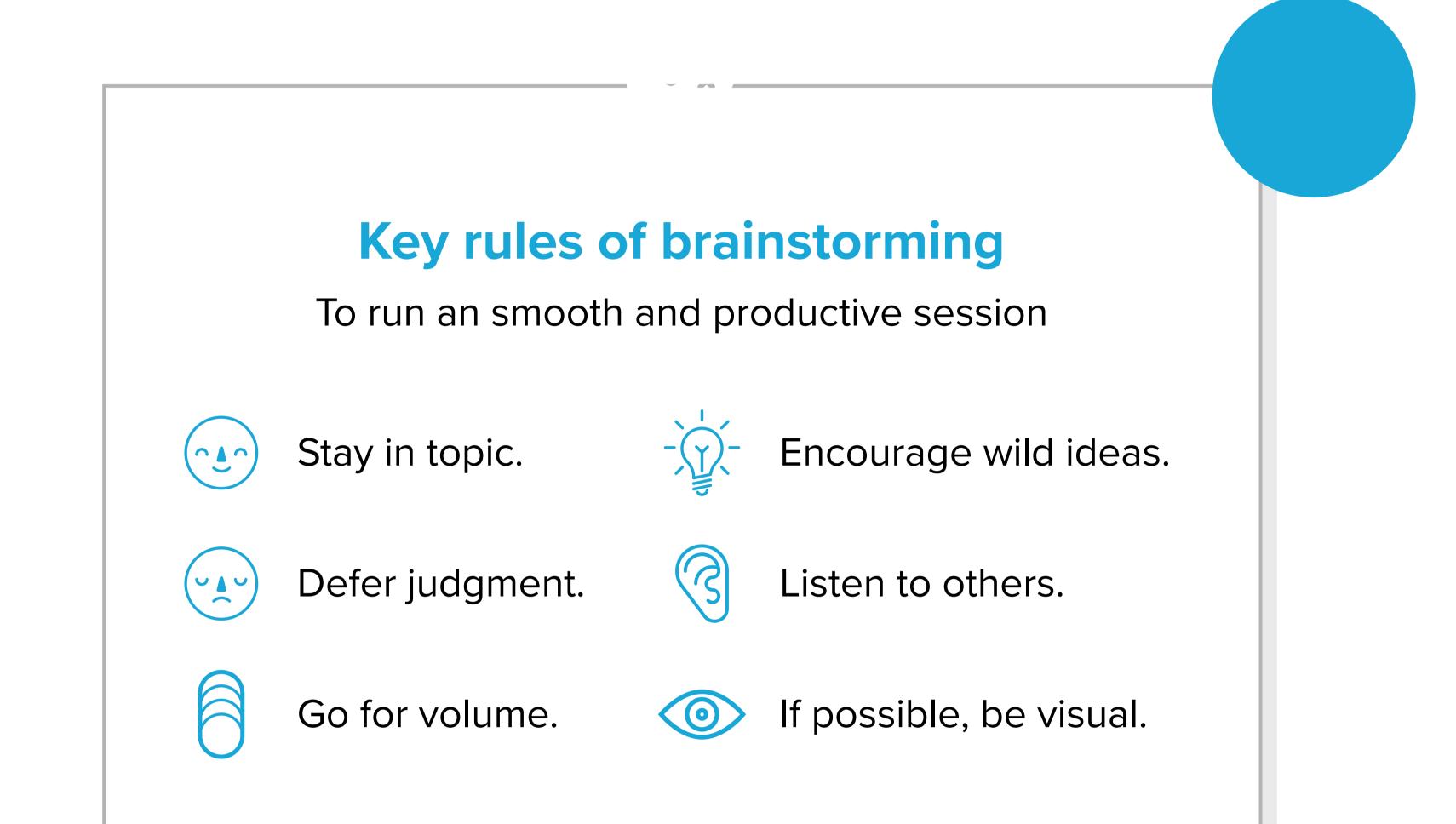
attention, and providing fast response times.

operation room (OR) requires new modalities that support

Define your problem statement

Hand gesture recognition based human interface is being developed vigorously in recent years.Due to the effect of lighting and

complex background, most visual hand gesture recognition system work only under restricted environment.



Brainstorm

Write down any ideas that come to mind that address your problem statement.

① 10 minutes

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

PROBLEM 1

PROBLEM 5

The Gesture Continuity metric measures the

continuity of data in two

neighboring segments.
When two segments differ greatly in its signal shape at the connecting point, it is less likely that these two

segments belong to the same single gesture.

facial expression, and eye gaze. Some of these

For gesture recognition, a human hand can be mathematically modeled as a distributed target consisting of continuously varying reflectivity across space. Understanding how the radar captures such target scenes provides an intuition into the difficulty of

PROBLEM 6

The goal of this review was to investigate the patterns of touchless hand gestures

reached the prototype stage. In this process, the reasoning behind the elicitation of these gestures was explored.

used in gesturebased interfaces, which have

PROBLEM 2

PROBLEM 7

PROBLEM 3

Regarding implementing gesture recognition in systems, we see in the literature a gradual movement from implementing conventional interaction methods using gestures, to designing systems with gestures in mind from the ground up.

PROBLEM 4

review—medical systems technologies—provides the user sterility needed to help avoid the spread of infection. The second entertainment—involves naturalness of the interface as part of the user

Having surgeons perform a small amount of training postures would be preferable in order for the training step not to be long and cumbersome for them.

PROBLEM 8

The use of "Gestix," a calibration process is conducted to capture a sample of the gamut of colors of the hand or surgical glove. The setup time for the whole "Gestix" system was approximately 20 minutes.

Group ideas

In medical applications or industrial environments, they enable touchless operation guaranteeing sterility or safer interaction.

① 20 minutes

