

Today's Host

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Vice President & Healthcare Research Lead
HKS, Inc.



View Options

Gallery View



Active Speaker

Audio

The image shows a Zoom meeting interface with a settings menu open. An orange arrow points from the microphone icon in the bottom toolbar to the 'Audio Settings...' option in the menu. Another orange arrow points from the top right of the Zoom window to the 'Speakers / Headphones (Realtek Audio)' dropdown menu in the Windows Settings window.

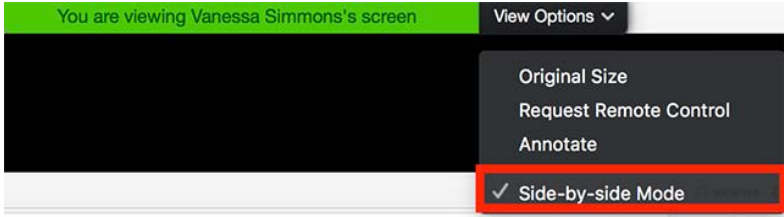
Zoom Meeting Settings Menu:

- Select a Microphone
 - ✓ Microphone Array (Realtek Audio)
 - Same as System
- Select a Speaker
 - Speakers (MP4 Recorder Virtual Audio Device)
 - LG Ultra HD (Intel(R) Display Audio)
 - ✓ Speakers / Headphones (Realtek Audio)
 - Same as System
- Test Speaker & Microphone...
- Switch to Phone Audio...
- Leave Computer Audio
- Audio Settings...

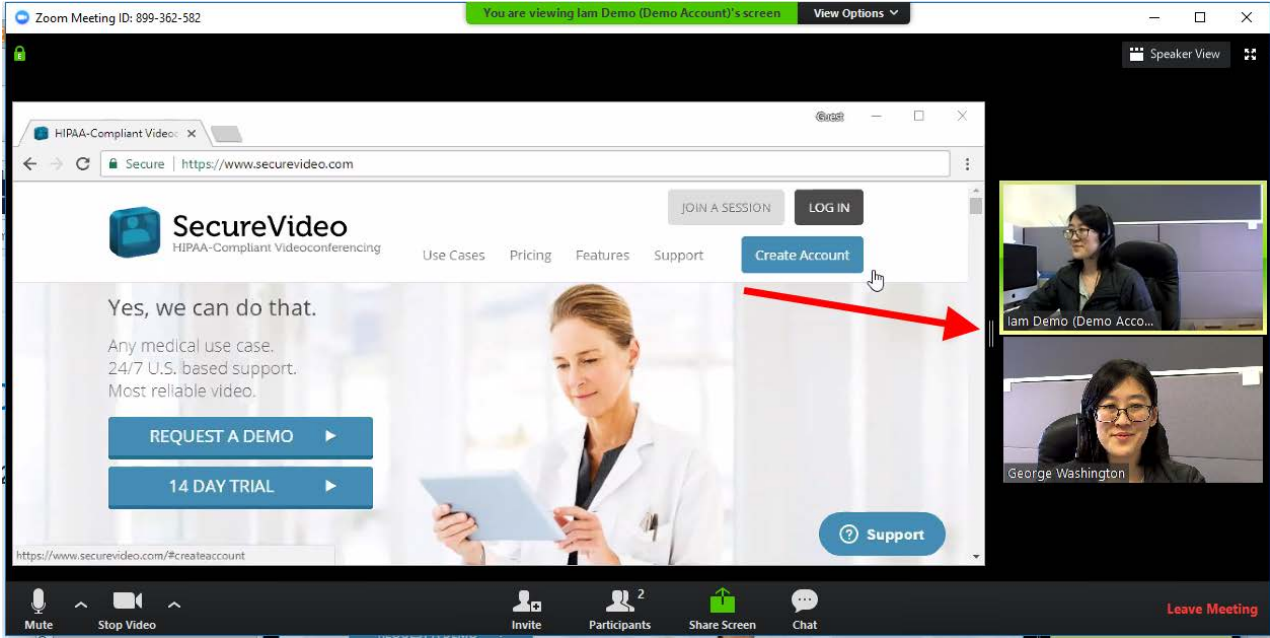
Windows Settings - Audio:

- Speaker:** Test Speaker | Speakers / Headphones (Realtek Audio) [dropdown]
- Output Level: [slider]
- Volume: [slider]
- Microphone:** Test Mic | Microphone Array (Realtek Audio) [dropdown]
- Input Level: [slider]
- Volume: [slider]
- Automatically adjust volume
- Use separate audio device to play ringtone simultaneously
- Automatically join audio by computer when joining a meeting
- Mute my microphone when joining a meeting
- Press and hold SPACE key to temporarily unmute yourself
- Sync buttons on headset
- Advanced

Side-by-side



During
screen share

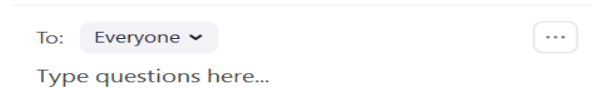
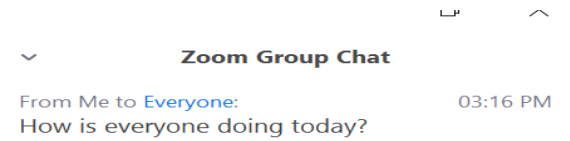
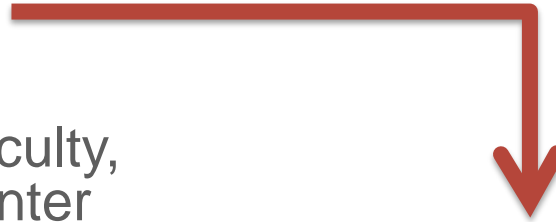


How-To Ask Questions

- To ask content questions, click on the Chat icon on your toolbar.

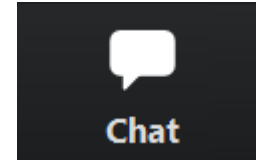


- Chat to “Everyone” (default).
- If you are having technical difficulty, send a private chat to “The Center for Health Design” only.



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Download additional information from the “Chat” icon on the bottom of your toolbar or go to <https://tinyurl.com/ebdjc430>



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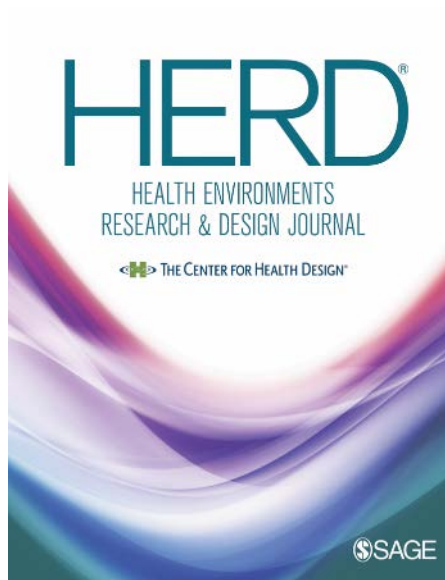


CEU Management Fee

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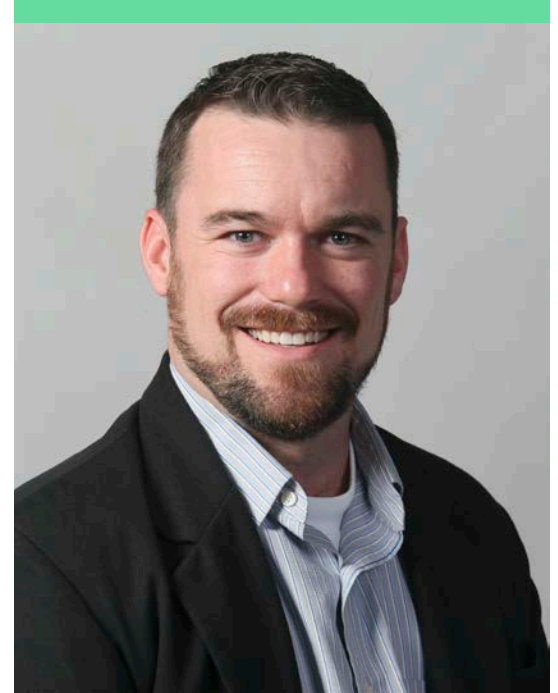
The purpose of the
EBD Journal Club
is to broaden the healthcare
community's **knowledge,**
understanding and **application**
of built environment research.

Today's Authors

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Health Quality Council of Alberta
-and-

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University of Calgary



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VA & VGH Simulation Center



A Quick Overview of the Study

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DESIGNCAN

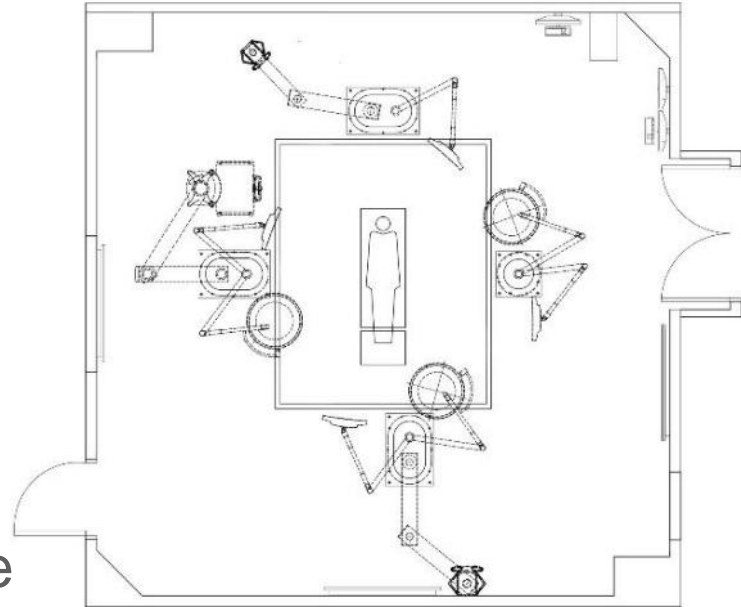
Unleashing Design's Healing Power

Objectives and Aims

- Design a “universal OR” (any case, any room)
- 7 Flows of Medicine
- Patient and Staff safety paramount
- Design needs to work for all team members
- Opportunity to create new design, new habits, new flows vs “just make it work”

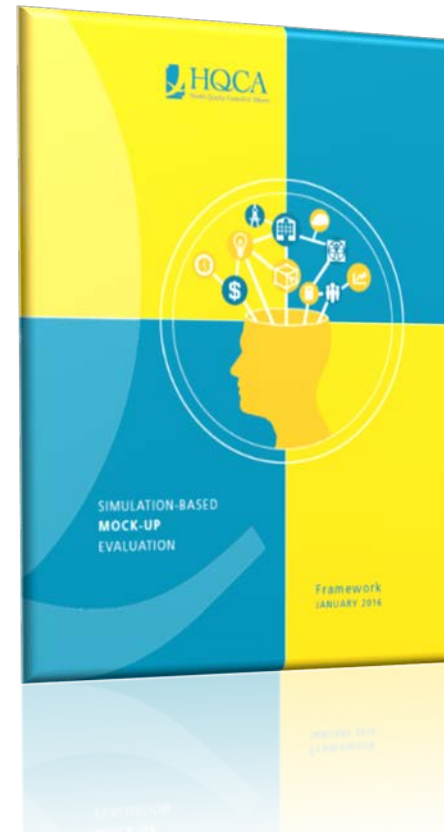
Background

- Vancouver General Hospital
- Mock Scenarios:
 - Iterative
 - 650 sqft, square
 - Real OR equipment where possible
 - +++ stakeholder engagement
 - 18 in total (multiple services, all team members represented)
 - Changes made after every 3rd mock



Methods

- Simulation-based mock-up evaluation framework
 - Document available from:
<https://www.hqca.ca/humanfactors>



Methods



Methods - Scenarios

Total Abdominal
Hysterectomy



Laparoscopic
Cholecystectomy



Thyroidectomy



Scoliosis
Spinal Fusion

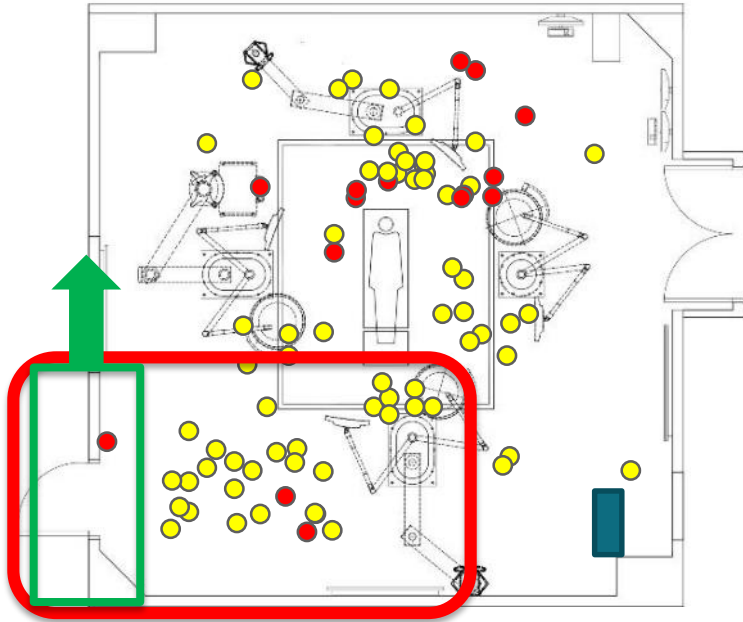


Iteration 1 (Oct 2017)

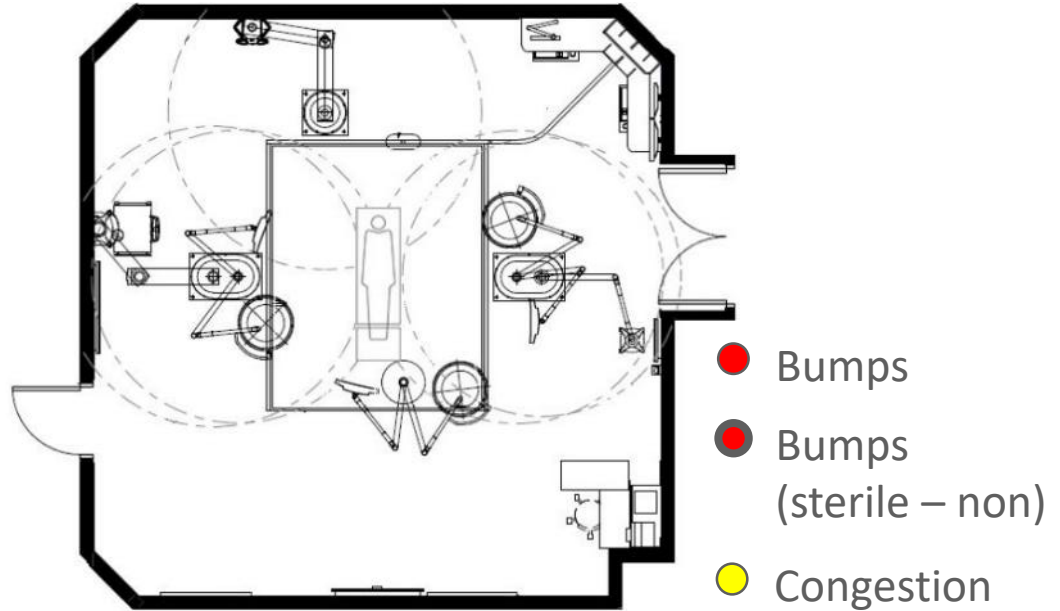
Iteration 2 (Jan 2018)

Results/Findings

Iteration 1 (Lap Chole)

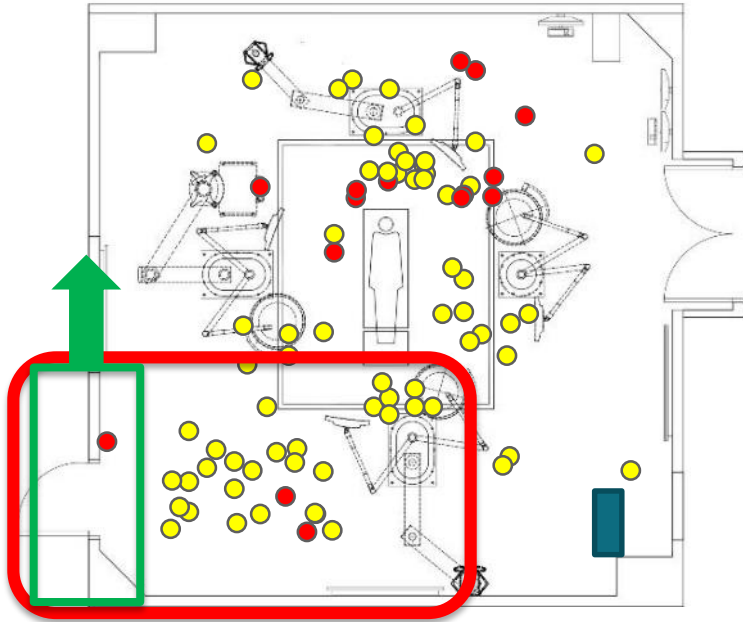


Iteration 2 (Lap Chole)

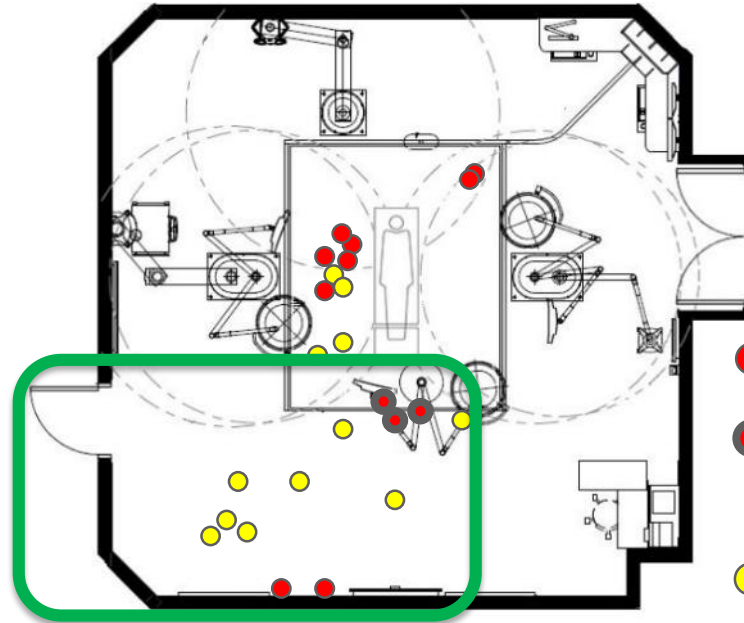


Results/Findings

Iteration 1 (Lap Chole)



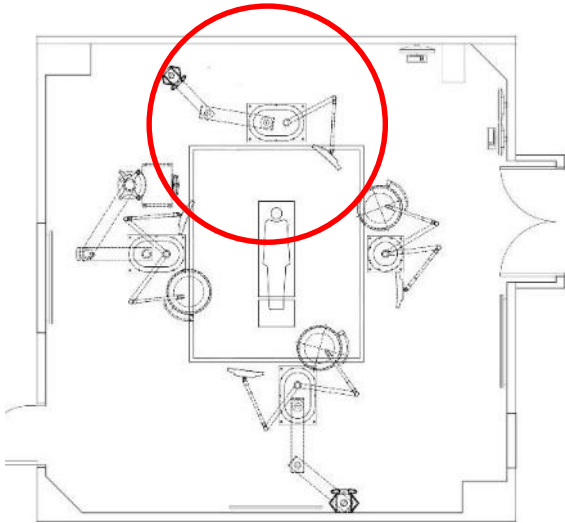
Iteration 2 (Lap Chole)



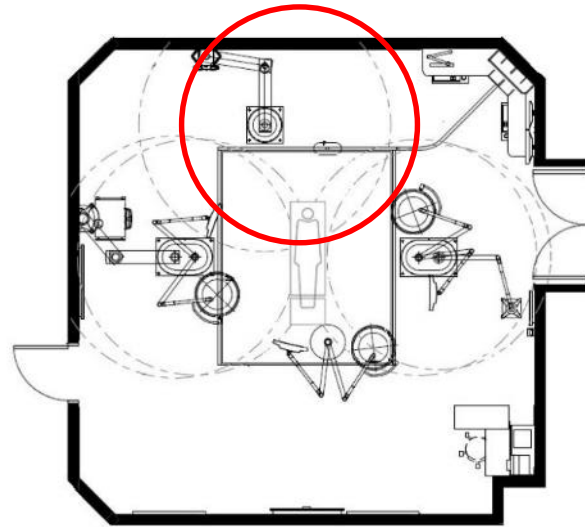
- Bumps
- Bumps (sterile – non)
- Congestion

Results/Findings

Iteration 1



Iteration 2



Aux boom

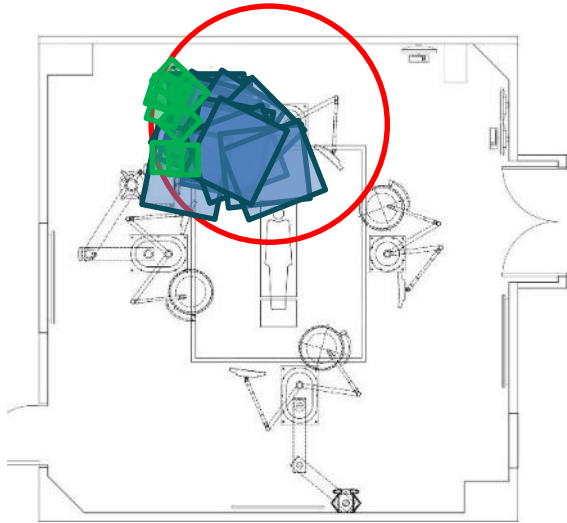


Anes machine

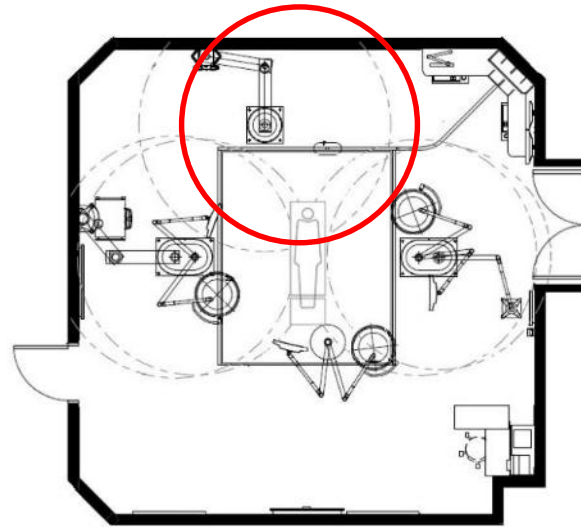


Results/Findings

Iteration 1



Iteration 2



Aux boom

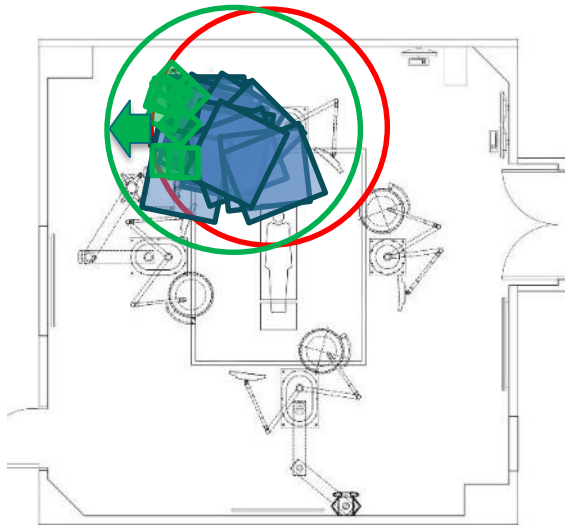


Anes machine

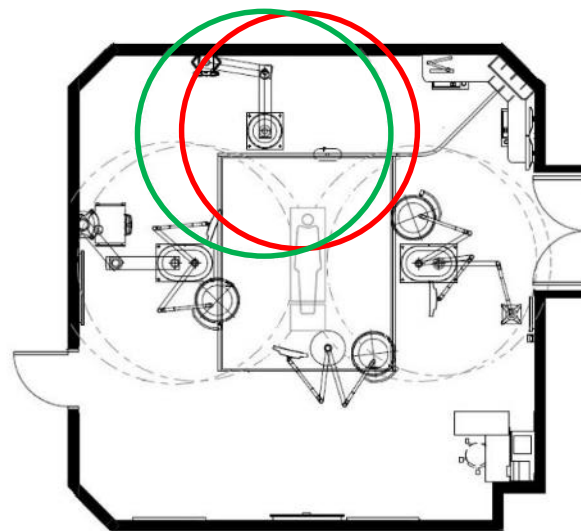


Results/Findings

Iteration 1



Iteration 2



Aux boom

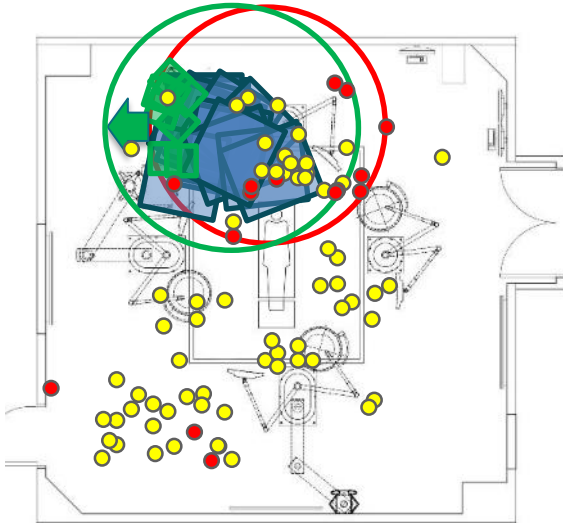


Anes machine

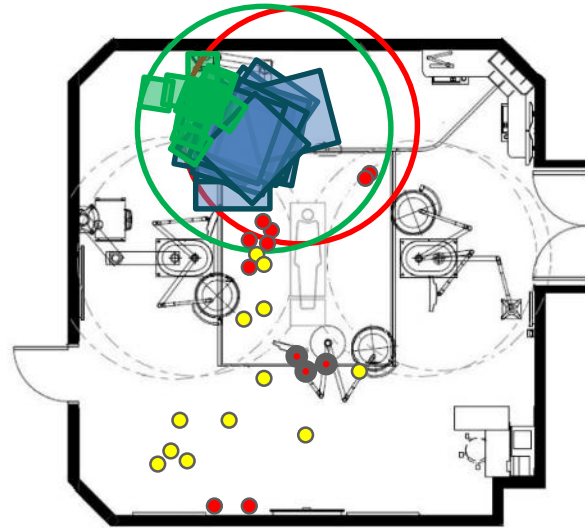


Results/Findings

Iteration 1



Iteration 2



Aux boom



Anes machine



Results/Findings

The design changes resulted in:

- Better room utilization
- Fewer constraints with equipment mobility
- Decreased congestions
- Positive debriefing feedback





HECOTOL

FORM HOLDER

FORM HOLDER

HAND RUB

GLOVE BOX
GLOVE BOX
GLOVE BOX
GLOVE BOX
GLOVE BOX

HECOTOL
HECOTOL
HECOTOL

Virtual Room
Divisor



GLOVE
BOX
GLOVE
BOX
GLOVE
BOX
GLOVE
BOX

HAND
RUB



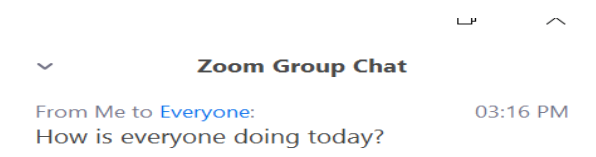
Results/Findings

- Extend boom arm for anesthesia
- Relocated power / data outlets
- Redesigned the nursing shelf
- FMO – temperature monitor moved
- STAFF OWNED THE ROOM!

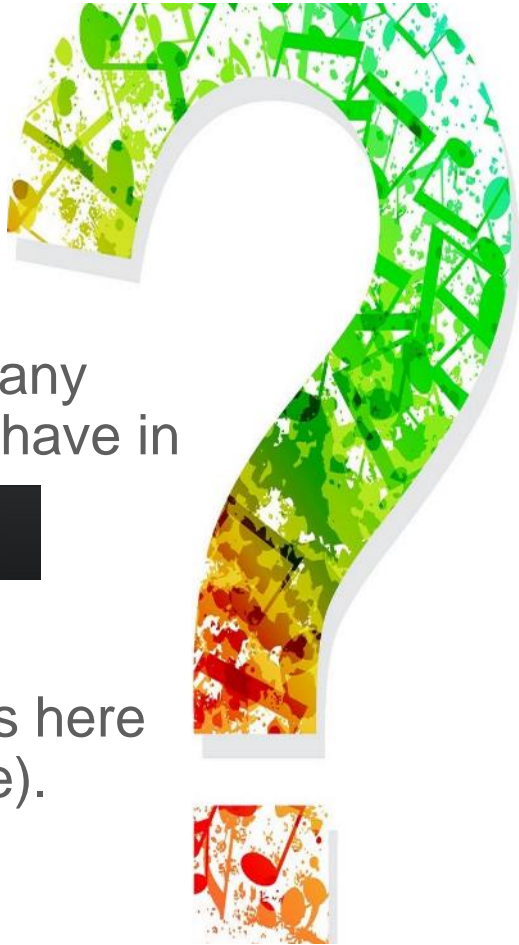
Discussion

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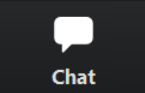




Q & A



Feel free to type in any questions you may have in the Chat box.

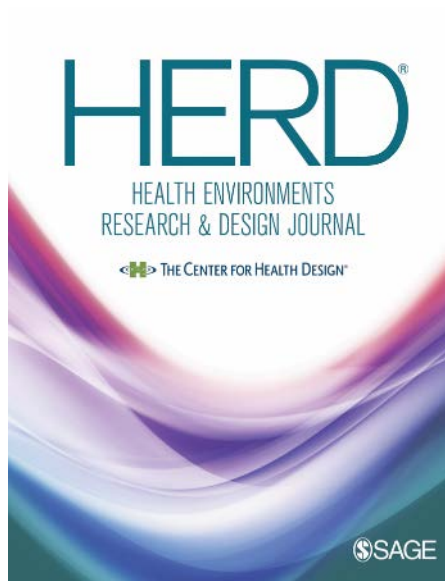


Type your questions here (Default = Everyone).



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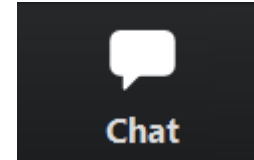


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