CASE STUDIES - REALIZED INTERVENTIONS

REALIZATION
Mount Sinai Hospital, New York, 2020.

DESCRIPTION
Recharge rooms. It is a healing environment designed to reduce stress and increase control in patients can result in less need for pain medications, fewer medical errors, better sleep and improved outcomes. Virtual reality application-scan directly impact emotions and their concordant psychological responses. Consistent with the notion that humans are innately connected to nature, exposure to virtual environments that incorporate biophilic stimuli can lower psychological stress indicators[18].

SATISFIED NEEDS
1) reducing sense of stress and anxiety both in patients and frontline healthcare workers
2) promoting humanization of the patient
3) provide emotional support and relax

NEEDED RESOURCES
Reconversion of under-utilized rooms
Multisensory and nature-inspired experience including silk imitation plants, projected scenes of soothing natural landscape, low lighting, nature sounds, infusion of essential oil

STEP OF IMPLEMENTATION
✓ Preliminary design

Implementation work in progress

In retrospect - reviewing procedures and facts which din't work during the emergencency

EASE OF IMPLEMENTATION
Easily implementable

✓ Moderately easily implementable

Hardly implementable

DIFFUSION
Suggested solution not yet realized

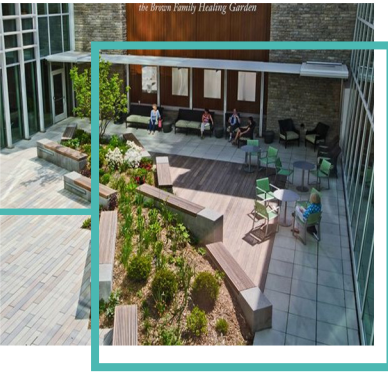Solution adopted diffusely

✓ Solution adopted in just some case

Solution adopted only once

DURATION OF UTILIZATION
Permanent

✓ Potentially permanent

Temporary

SUGGESTED INTERVENTIONS NOT YET REALIZED

DESCRIPTION
Cross ventilation through integration of courtyard design to establish a cohesive ventilation. This ecological interchange space can create an integrated ventilation channel enabling natural ventilation of the building. At the same time this recreative and restorative space in which natural elements can be inserted, can guarantee emotional benefits lowering stress in patients, healthcare workers and caregivers attending it[19].

SATISFIED NEEDS
1) reducing sense of stress and anxiety both in patients and frontline healthcare workers
2) provide emotional support and relax
3) guaranteeing cross natural ventilation within the building, especially useful in contaminated environmet.

NEEDED RESOURCES
Design of healthcare facilities including courtyard layout.

STEP OF IMPLEMENTATION
✓ Preliminary design

Implementation work in progress

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DESCRIPTION
Design for social distancing. It becomes of particular importance in periods like the current situation in which safety distances are assental to avoid cross-contamination. This issue acquire relevance espiecially in more crowded places: waiting rooms, reptions and connective spaces. New and larger configurations are required, guaranteeing at least 1/2 m distance among corridor flows and designing smaller and separated waiting areas[20].

SATISFIED NEEDS
1) providing safety distancing to avoid cross-infections
2) promoting better livability of healthcare environment
3) providing certain levels of privacy and mental disengagement.

NEEDED RESOURCES
Design of larger connective spaces discouraging aggregation of users'. Arrangement of waiting rooms in smaller waiting areas. No need of additional furnitures.

STEP OF IMPLEMENTATION
✓ Preliminary design

✓ Implementation work in progress

In retrospect - reviewing procedures and facts which din't work during the emergencency

EASE OF IMPLEMENTATION
Easily implementable

✓ Moderately easily implementable

Hardly implementable

DIFFUSION
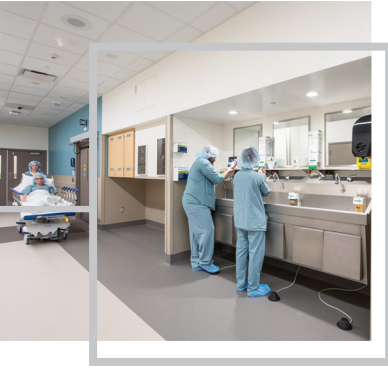✓ Suggested solution not yet realized

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Solution adopted only once

DURATION OF UTILIZATION
✓ Permanent

Potentially permanent

Temporary

DESCRIPTION
Touchless technology. In order to limit exposure to germ, a possible solution includes reducing physical contact of surfaces. Use of touchless technology, hands-free devices on doors, plumbing fixtures and other high-touch items can contribute to limit potential cross- contamination, arising better users' well-being[21].

SATISFIED NEEDS
1) reducing anxiety due to potential contamination through high-touch items both in patients and medical staff
2) promoting better usability of items to people having disabilities
3) enhancing better experience of sanitary environment.

NEEDED RESOURCES
Provision of touchless technological devices, fixtures, etc.

STEP OF IMPLEMENTATION
✓ Preliminary design

Implementation work in progress

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EASE OF IMPLEMENTATION
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Moderately easily implementable

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DIFFUSION
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DURATION OF UTILIZATION
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