Beyond the Healing Environment: An Architect’s View on Better Hospital

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D/Dock Amsterdam

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THE HEALING ENVIRONMENT =
THE PATIENT IS CENTRAL ...

BUT WHAT ABOUT THE STAFF ?
Thank God it’s Friday!

Mortality After Nonemergent Major Surgery Performed on Friday Versus Monday Through Wednesday

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Operations performed on Fridays were associated with a higher 30-day mortality rate than those performed on Mondays through Wednesdays:

2.94% vs. 2.18%;

Odds ratio, 1.36; 95% CI, 1.24–1.49)

Courtesy Paul Barack
The cost of replacing a registered nurse ranges from about $82,000 to $88,000 per nurse. (Aiken et al. 2012)

Courtesy: Evert van Loenen, "Healing Environments: future challenges and opportunities."

https://www.youtube.com/watch?v=fZbwftJgR3A
THE HEALING ENVIRONMENT

The Triadic Method
experience with the VUmc Hospital in Amsterdam:

VUmc Brightsite
THE USERS MATRIX AND THE “BOTTLE NECKS” SCHEME

Users paths and bottle necks

"bottle necks" or critical points

VUmc DAGCHIRURGISCH CENTRUM
TRADITIONAL LAY OUT DISTRIBUTION
TREATMENT

INFO/TAINMENT LOUNGE

STAFF AREAS

PATIENTS

LABS
NURSES POST

EXAMINATION CABINETS

TRIADIC LAY OUT DISTRIBUTION
the “Intelligent” hospital
THE PATIENT DOMAIN

RECEPTION COUNTER

INFO/TAIMENT LOUNGE

ENTRANCE
PATIENT LOUNGE
PATIENT LOUNGE
CM FACILITIES
THE TREATMENT DOMAIN

PATIENT ENTRANCE

NURSE POST

COCOONS

TREATMENT/RELATIVES LOUNGE

NURSE POST

ACUTE TREATMENT ROOMS
TREATMENT AREA
TREATMENT AREA
COCOON
TREATMENT AREA COCOON
TREATMENT AREA
STORAGE

Afval
THE STAFF DOMAIN

- MEETINGROOM
- HUB
- LAB
- STAIRS: INTERNAL VERTICAL DISTRIBUTION
- SHARED OPEN WORK AREA
- RECESSION
- NURSE POST
STAFF AREA
MULTIDISCIPLINARY
TEAM MEETING
STAFF AREA
SHARED
WORK DESKS
STAFF AREA
SHARED WORK DESKS
STAFF LOCKERS
THE EXAMINATION AREA

EXAMINATION CABINETS
SHARED EXAMINATION ROOMS
2011

HEALING ENVIRONMENT FOR CHILDREN

Concept for the Willem Alexander Children Hospital Leiden
HET NIEUWE kinderziekenhuis
where possible the areas for staff, patients/families and treatment are separated
Active corridor with function wall adapting storage, medical carts, linen, wash basins and cove seating.
Rooming-in and bathroom, color and light adaptable. Double sliding door adaptable for aseptic needs.
individual time spending

playing on the carpet

rooming in

interactive games and social media

ROOM INTERIOR
sketch section of patient room
HEALING ENVIRONMENT FOR PSYCHIATRY

Arkin group
Amsterdam
Arkin Vallei - Reigersbos Amsterdam : D/Dock
2011-2014

THE PATIENT EXPERIENCE

Works with
Philips Healthcare
the “intelligent” hospital
2012

RITUALIZE THE DRAMA

All Beliefs Chapel
in the VUmc Hospital
Amsterdam
BEYOND THE HEALING ENVIRONMENT

...WHEN WE DESIGN A BUILDING, A SCHOOL OR A HOSPITAL, WE MUST THINK HOW THE SURROUNDING COMMUNITY CAN BENEFIT FROM IT

NO MORE LIKE A CASTLE BUT LIKE AN ABBEY

INTERACTION BETWEEN THE HEALTH INSTITUTION AND THE PEOPLE
Evert van Loenen, "Healing Environments: future challenges and opportunities."

https://www.youtube.com/watch?v=fZbwftJgR3A
Dialysis local Club house

the “Hybrid” hospital
Dialysis local Club house

the “Hybrid” hospital
BEYOND THE HE:

BUILD A POSITIVE MESSAGE:
THE HOSPITAL AS THE CENTRE FOR THE WELLBEING
KNOWLEDGE AND EDUCATION IN THE SOCIETY
BEYOND THE HE:

OWNING THE HOSPITAL:
RECREATE A CONNECTION AND PARTICIPATION OF THE SOCIETY IN THE HEALTHCARE SERVICES
BEYOND THE HE:

“ATTENTION TO THE LIFESTYLE:
IMPROVING SOLUTIONS FOR THE IMPACT OF ILLNESSES IN THE LIFE OF THE PEOPLE"
BEYOND THE HE:

THE HEALING OFFICE:
BRIDGING THE CONFLICT BETWEEN HOME AND WORK LIFE,
AND IMPROVING THE HEALTH OF THE PEOPLE
RETHINKING THE WORK ENVIRONMENT
BEYOND THE HE:

“LO-BALIZE” THE HEALTHCARE:
USING TECHNOLOGY FOR IMPROVE REMOTE CURE
BEYOND THE HE:

RE-DESIGN RESIDENTIAL TYPOLOGIES:
FOR REACH MORE FLEXIBILITY IN USE;
FOR SUPPORT HEALTHCARE NEEDS;
FOR SHARE COMMON FACILITIES,
AND INTERACT WITH THE LOCAL ECONOMY
BEYOND THE HE:

EMPATHY:
DESIGNING AND MANAGING THE HEALTHCARE WITH EMPATHY, FROM INSIDE AND NOT FROM THE TOP.

em-pa-thy [em-puh-thee]
noun
1. the intellectual identification with or vicarious experiencing of the feelings, thoughts, or attitudes of another.
2. the imaginative ascribing to an object, as a natural object or work of art, feelings or attitudes present in oneself: By means of empathy, a great painting becomes a mirror of the self.
THANK YOU