Interiors, Buildings and Cities

Rehabilitation Clinic design P4 presentation
presentation structure

_surrounding analysis
_proposition
_research and implementation in design

_Q&A
Large Trees by the rehabilitation centre
The average speed of a manual wheelchair on flat road is 3.9 km/h and an electronic wheelchair is 4.3 km/h. That means if we take 3 km/h as a standard, patients can reach areas 500m away from the Rijndam Clinic within ten minutes drive. If shown on map, the circle of activity for patients contains a variety of activities using public facilities provided by the city ranging from leisure and sports activities in the parks and playgrounds and cultural activities inside museums and theaters within reach. However the commercial hotspots are almost all out of reach. Therefore, it is concluded that the Rijndam Clinic is situated within a quite, peaceful and culturally rich area.
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The primary goal of design is **not to create a self-sustained healing machine** but a building that can **make best use of the surrounding resources**.
Erasmus Hospital
Kunsthall
Boijmans

a open courtyard configuration
Erasmus Hospital
Kunsthall
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a open courtyard configuration
Research topic:

Use architecture to activate waiting in healing process

problem: unachievable waiting time

Optimize patient schedule is related to: resource, staff productivity, labor cost, etc.
change PASSIVE into ACTIVE
How to achieve this using architecture?

How to activate waiting spaces?
SOLUTION: multi-functional waiting room:

combination of waiting rooms with other public functions such as cafes, recreation rooms, sports facilities, etc.
4 categories in the program:

TREATMENT
- Care service
- Gym
- Pool
- Therapies

PATIENT
- Nursing
- Test apartment

COMMUNITY
- Community facility
- Garden
- Garden
- Garden

SERVICE / staffs
- Technical services
- Administration
- Reception
- Study center
**my scheme**

**outpatient:** commercial street / rooms around open courtyard

**inpatient:** easy street / living room
exercise and rehabilitation

meeting with different flows, different areas inside the bridge (patient & patient, patient & visitors, patient & therapist) [render]

arrangement of furnitures

view: between inside/ towards outside [renders]

climates design: temperature control, separation, sun shading on west facade [diagrams]

technical design points:
1. facade load baring structure
2. maintenance
3. climate control
first idea about bridge

_a open corridor:

→ connection problem

corridor combined with motion therapy rooms

_easy street
Linit solar u-profile glass
private space

green space in between
one/ two persons room

four persons room

intensive care room (doing rehab inside the room)
social and support

dining room

living room for each block

corridor/ rhythm of light
how the building is built

general principles description
structure scheme
structure scheme
structure scheme
structure scheme
structure scheme
structure scheme
structure scheme