

A221



V.E.T

VITURAL ENVIRONMENT TREATMENT

PROJECT DESCRIPTION:
Construction type: — Medical Building combined of medical and health care
Problems to be addressed: — prevention and treatment of diseases caused by the environment;
— Treatment of sub-health population;
— uneven distribution of medical resources;
Site: home ; workplace ; place of sudden illness
DESIGN NOTES:
in recent decades, the diseases caused by environmental deterioration continue to challenge the medical industry. the uncontrollable deterioration of the environment means that the future medical industry will continue to face the challenge. Fortunately, the development of science and technology brings the opportunities for it. Our project uses science and technology to compensate for the environment, and proposes a new medical model -- "virtual environment treatment and maintenance" to prevent and treat the diseases caused by the environment.

CONCEPT

Environment & Disease

deterioration of nature environment
WHO: improve environment
disease cause by environmental deterioration
natural environment + social environment
create virtual environment
13,000,000
75%
20%
5%

Virtual environment & treatment

realize the environment
sense of hearing
vision
sense of smell
sense of touch

Sub-health & Prevention

population
20%
75%
5%

Treatment & Maintenance

disease
sub-health
health
older
young people
children
convalescence
chronic disease
epidemic & mental disease

Medical resource & Site

one to one & home
one to more & clinic
more to more & hospital
uneven medical resource
redistribution
site: home-work place-everywhere
movable
future treatment

PROJECT

A Ball

virtual environment
Why?
Surface area compare
less
more
Saving in material
Inflatable & rotatable
Combination therapy
air
flat
ball
flying

Tentacle

What?
A ball full of tentacle to move
The hole — The door — The equipment — It plays different roles in therapeutic process
Tentacle of frequency & special gas
Perceived odor
Olfactory bulb
Olfactory nerve
Olfactory epithelium
Odor
Olfactory & gustatory Center
Gustatory signal
Tentacle with frequency
sound is used mainly for the frequency of treatment, detecting the health state of a person, and then provide a better frequency.
receiver & emitter
frequency in
frequency out for check
frequency of treatment in
a emitter
voice treatment
The use of VR immersive experience
The working principle of VR
looking
watching
surrounding
limbic system
sensory cortex
Thalamus
Cognitive activities
Descending pathway
Dorsal horn
Dorsal root ganglion
Ventral horn
spino-thalamic tract

ENVIRONMENTAL DETERIORATION cause Disease & Death

Year	Event	Death	Disease
1930	Smog Incident in Meuse Valley	60	
1948	the great smog of London	4000	8000
1952	Donora Smog Accident	20	6000
1955	Los Angeles Smog Incident	400	
1956	Japan's four major public hazards		
1964	Photochemical smog in Tokyo		10000
1970	Love Canal	30,000	
1977	Bhopal India incident	20,000	250,000
1984	The Chernobyl incident	20000,000	8000
2000	Severe haze		
2006	The disease caused by the environment		
2007	The appearance of sub-health		
2017	haze		
2050	The deterioration of social environment		

ENVIRONMENTAL DETERIORATION cause Disease & Death

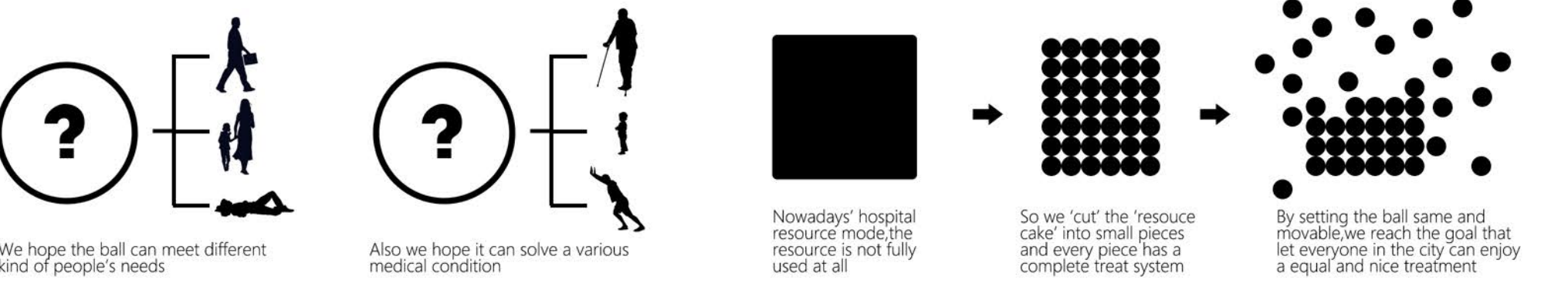
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Introduction on meeting various needs

Taking the future co-living mode of different type of people(including all status of people in society)in the consideration,we took out a brand new healing mode,that is,facing different groups of people our ball can carry out vrious types of tantacle combining mode in order to provide better treatment to meet all the needs of every kinds of people.To solve the problem that nowadays’ resource of hospital is seriously not balance from place to place,our ball can reach a goal that re-distribute the resource and let everyone has a chance to enjoy a high-quality-treatment.



Introduction on scenes

1.In recent years,depression is a very large group,especially between the youngsters.they are just somebody who face with stress all the time,feeling lonely,unhappy,unconfident.most of they are afraid of closing others.but it does not mean they don't need care.we supply a new space ,try to train they in a gentle way,the virtual environment gives them more chance to contact society.the tentacle in the ball will creat contact simulation. And,when he are cured,the ball will sent he to the people

2.To some of the office clerk,long time working in office and lacking of sporting may cause sub-health,they need to build up their body but the gym is to far from their office.Our ball can provide a easy-reaching gym,that is,changing tantacles can create sporting place like Yoga,swimming,etc.

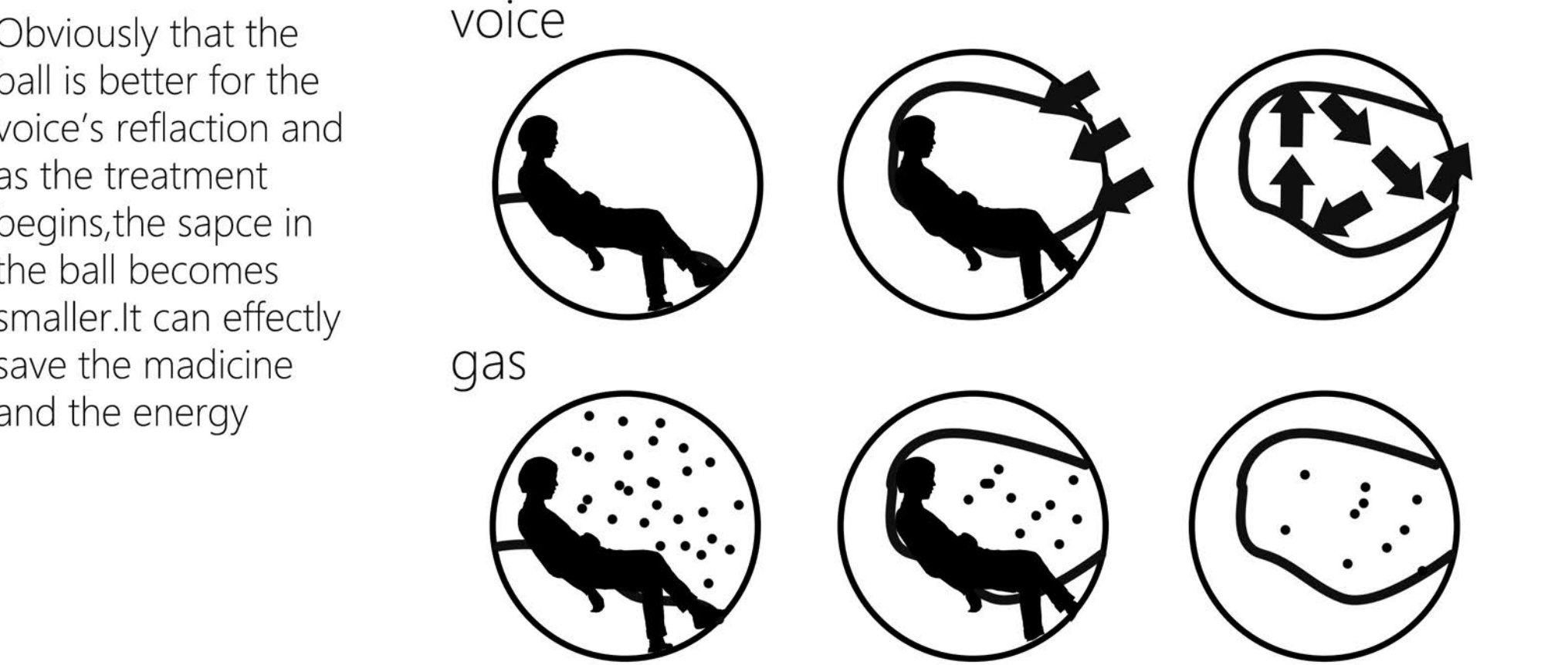
3.To some senior citizens,maybe they are boring and lonely at home because their son or daughter may went to work at daytime.The ball can help them,by imitating the enviornment in different places(forest\mountains\maybe meet their spouse) through the vr glasses and changing the inner temperature\humidity.It can make the lonely old people not so alone at home.

4.This scene shows that a pregnant woman who is about to born a baby,she can have a psychal healing in the ball.The tantacle can fix themselves into a best shape for pregnancy.Once the pregnant woman is going to born,the ball can send both she and his husband to the hospital.

5.To those people who is actiondisabled,our ball can help them with their recovering by using the tantacle to support them and with the slowly movement of tantacle,they will do the recovering action passively.

6.The scene shows that as the baby is borned,our ball,which providing a soft and suitable enviornment by changing the soft tantacles into needed shape,has great adventures for the baby's growth.As the baby grew up, the ball can provide a comfortable inner room for the baby to jump and climb.It can also let the baby fastly learn how to walk by letting the baby immitate how a mutual person walk.

Space for treatment



Device details drawings

