




Problems that may arise in

# NPU for patient with mental illness

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# 01 What is NPU?

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## **NPU(Negative Pressure Unit)**

**Specially isolated patient's room or unit that fundamentally blocks the pathogen in a hospital from spreading out.**

# The Negative Pressure Room is based on a single room.

# All walls, floors, and ceilings in the room are not exposed to air movement, and the wall joints are sealed.

# 01 What is NPU?

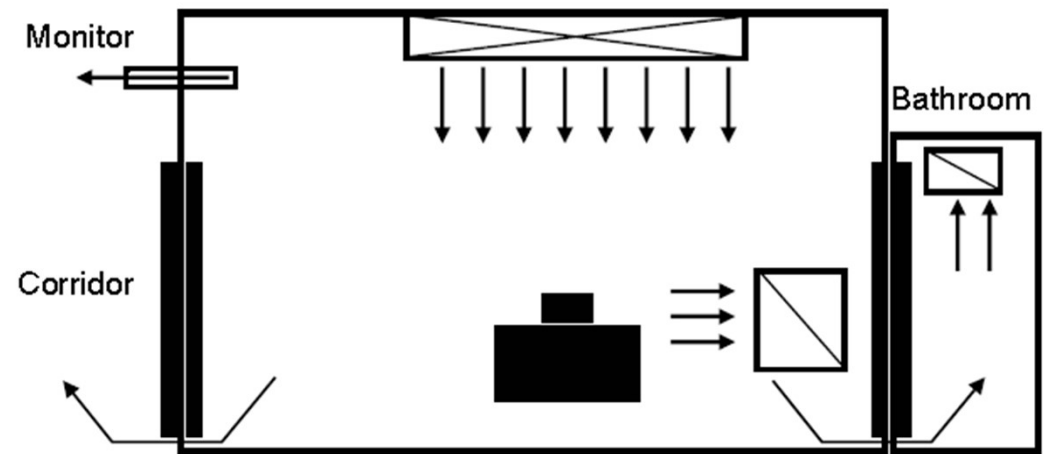
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## \* NPR Principle

Design to lower air pressure  
so that air always flows inside the room



The air polluted by the virus or the germ  
does not go out to outside



01 | What is NPU?

02 | **Finding Problems**

03 | Questions

# [단독] 방 돌면서 자해...온몸 멍투성이... 엄마는 아들과 '11일 사투' 겪었다

입력 2020.10.12. 오전 5:07

송수연 기자 · 고혜지 기자 ▾



| [코로나 블랙-발달장애인 가족의 눈물] <2> 자가격리는 또 다른 '재앙'



지난 7일 서울 성동구 자택 근처를 산책하던 발달장애인 이윤호씨의 마스크를 어머니 김남연씨가 매만져 주고 있다.정연호 기자 tpgod@seoul.co.kr

## 02 Finding Problems

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- Environmental problems



Unfamiliar environment



Fear of closed space



## 02 Finding Problems

- Environmental problems



Repulsion to the medical staff  
in protective clothing



Problems caused by  
a small amount of sunlight

## 02 Finding Problems

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- Resistance



Feeling compelled to be hospitalized



Patients refuse to be hospitalized

## 02 Finding Problems

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- Anxiety



Separation from the people(family)  
they used to live together



Absence of caregivers

## 02 Finding Problems

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- **Several Limitations**



Limitations of communication  
➔ Difficult to explain their symptoms



## 02 Finding Problems

- **Several Limitations**



Uncertainty about the situation  
➡ anxiety ↑



Drug therapy only available

## 02 Finding Problems

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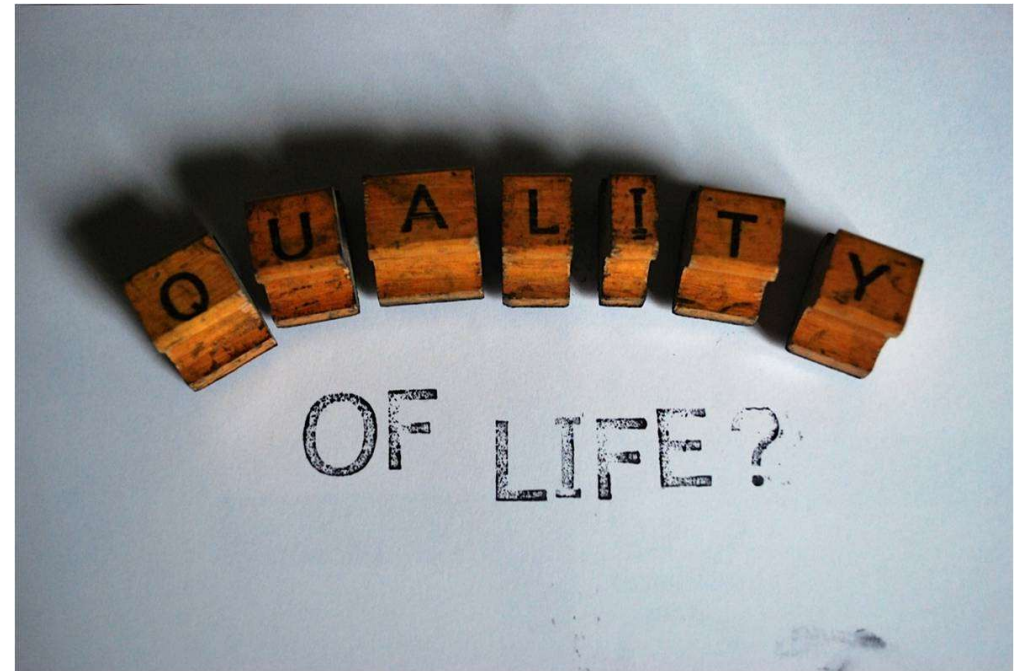
- **Problems of Rapport Formation with Physicians**



## 02 Finding Problems

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### Long-term Negative Effects



## 02 Finding Problems

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- Unfamiliar environment
- Fear of closed space
- Repulsion to the medical staff in protective clothing
- Problems caused by a small amount of sunlight
- Feeling compelled to be hospitalized
- Patients refuse to be hospitalized
- Separation from the people(family) they used to live together
- Absence of caregivers
- Uncertainty about the situation
- Drug therapy only available
- Problems of Rapport Formation with Physicians





01 | What is NPU?

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## 03 Questions

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- Q1.** Do people with severe mental illness take tranquilizers?
- Q2.** Who pays for the use of the sound pressure room?
- Q3.** How sound pressure rooms can be used at the end of the epidemic.
- Q4.** How the collaboration between the medical staff working in NPU and the mental illness treatment team is conducted.



THANK YOU