

IED GROUP#7 PRESENTATION

GROUP MEMBERS

🔍 21700058 권회창 (DATA COLLECTOR1) 👑

💻 21700490 이건희 (PPT MAKER)

🔍 21800545 이예원 (DATA COLLECTOR2)

👤 21800705 조혜린 (PRESENTER)



Our Purpose!

“Laying the foundation for solutions by defining possible problems in NPU for mental illness patients.”



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2. What is “NPU”?
3. What is “Mental illness”?
4. Problems of mental patients with NPU
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Conduction of Research

Focus Groups

- Interviews of medical team from article

Using Editorial & Article

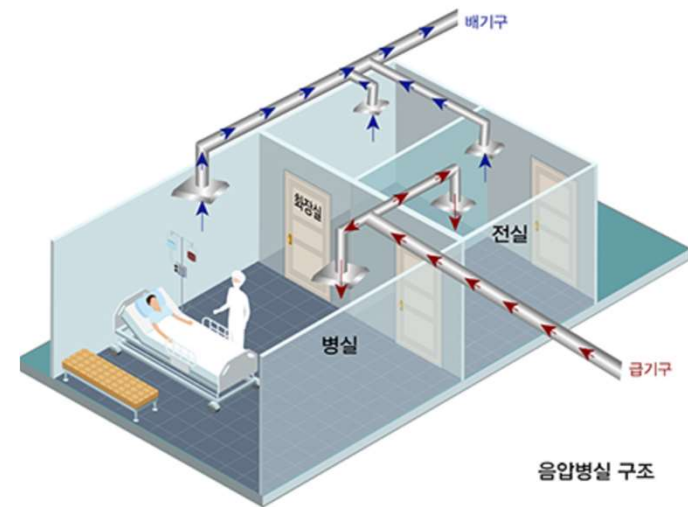
- Phenomenon of health and welfare in the Covid-19 Pandemic
- Current situation report

What is “NPU” ?

Isolation room for patients with infectious illnesses

Set the **internal pressure lower than the external pressure** to prevent air from escaping to outside.

Inside, **there is an exhaust system** for filtering viruses and germs, and only purified air can flow in from the outside.





This method is commonly used to isolate patients with airborne contagious diseases. Currently, **Covid-19** patients are being operated as the main targets.

535 beds (negative pressure 198, general 337) are being operated in **29 medical institutions** (as of April 2020).

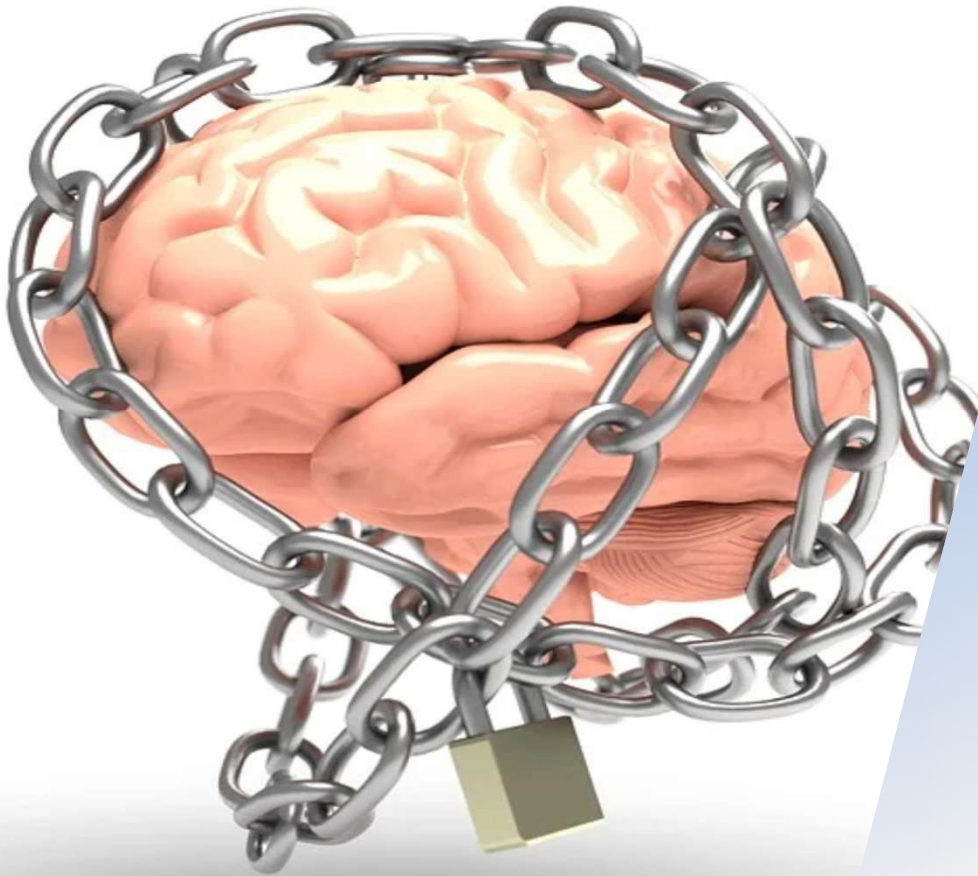
The background of the slide features a blurred image of the Joker character from the movie 'The Joker' (2019). He is wearing his signature red suit, yellow shirt, and green tie. His face is painted white with exaggerated red lips and blue diamond-shaped markings around his eyes. The image is centered and partially obscured by a large, semi-transparent white oval that contains the text.

What is mental illness?

Mental illness refers to behavior, mental abnormalities that cause problems in personal and social functions.

Ex) psychosis, neurological disorder, developmental disorder, personality disorder, etc.

NPU can have adverse effect on mental patients!



Mental patients have **more risk when their surrounding has changed** due to the disorder in behavior and mental.

Therefore, patients with mental illness **have limitations in using NPU.**

What's important to prevent the spread of Covid-19?

- **Patient's cooperation & compliance of quarantine guidelines**

However...

Mentally ill people

- **Problem of cooperation & communication in the course of treatment**

Ex) Schizophrenia – refuse treatment or show aggressive behavior

But still...

Essential to be hospitalized since patients do not know what attitude should be taken for infectious disease



First . Claustrophobia.

Difficulties to withstand treatment in isolated rooms.

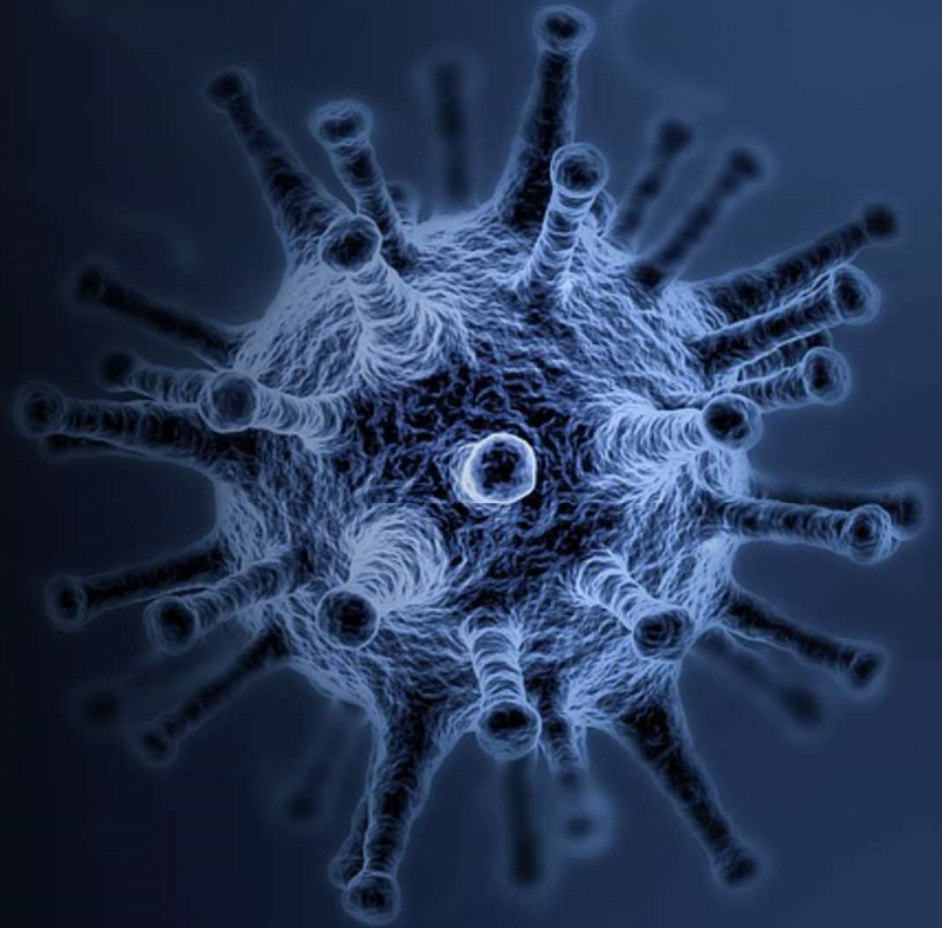
Confined spaces

- Heighten mental illness and worsen in severe cases.

Second. Morbid phobia

- 1) **Fears of treatment and pain of the current disease.**
- 2) **Fear of being infected with infectious diseases,**
- 3) **Fear of being caught on disease base on the self-awareness symptoms**
- 4) **Fear of dying from the disease.**

Difficult to distinguish between health inflammation because it is a fear of a wide range of areas.



Third. Financial support

Cost of building NPU is so high which is not enough to accommodate many patients. Therefore, many mental patients are being treated in poor conditions.

1. No NPU for mental patients

2. Unit of NPR ➡ 4 billion won to 5 billion won

...

What would have been like if NPU was also built in Nation Mental Hospital?

- More than 100 people involved in mental illness can be diagnosed at once in the face of another infectious disease epidemic.

Fourth. The shortage of doctors

1. **Professional caregiver is essential** for a mental patients.
2. Exhausted easily because of the **diverse infection routes and tricky treatments of patients**



#Question

권회창: How does the collaboration take place when treating mentally ill patients who are infected with respiratory diseases in internal medicine or respiratory departments that do not specialize in mental illness?

How likely is it that the patient's human rights will be violated in the process?

이예원: What is the average cost of getting treatment for coronavirus infections in a negative pressure room?

Is there any possibility that solves the problems that may occur when mental patients use sound pressure rooms?

이건희: Is there no problem with a patient with a physical condition outside the scope of mental illness?

Is there any structure of the hospital room that can be saved financially?

조혜린: What kind of effort or change should most be needed in medical institution in order to prevent new infectious disease in near future?

If NPU for the mental patients is to be built, how many NPU would be enough in Korea?

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