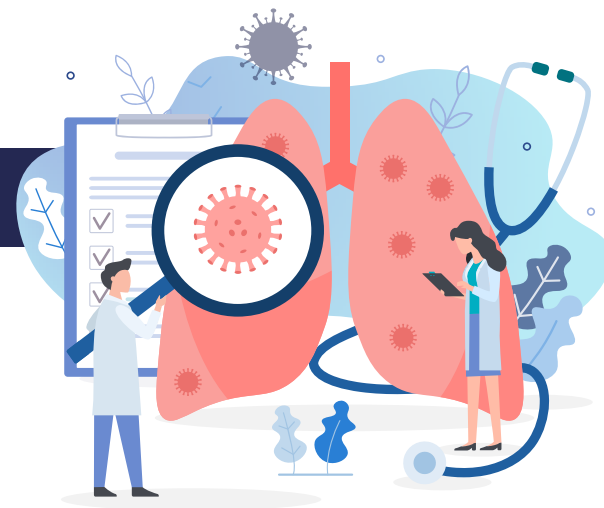


Health Care in COVID-19 Pandemic

Holistic Health Care in a New Era

To change against variation of COVID-19



KMA KOREAN MEDICAL
ASSOCIATION

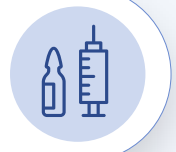
Holistic Health Care in a New Era of Post-COVID pandemic



- #1. The emerging of variant strain?**
- Challenges in the era of post COVID Pandemic



- #2. The prevention and care of post-COVID condition**
- (Long COVID).



- #3. Improving the health care system for the post-COVID world**
- (ex. community network, telemedicine, chronic care model).



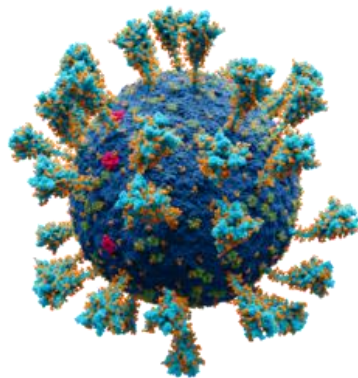
The emerging of variant strain Challenges in the era of post COVID Pandemic.



COVID-19 VARIATIONS

Variable Virus

- alpha, beta, delta and omicron variants



Rigid Healthcare system

- traditional contact medicine
- telemedicine, non-contact, home care



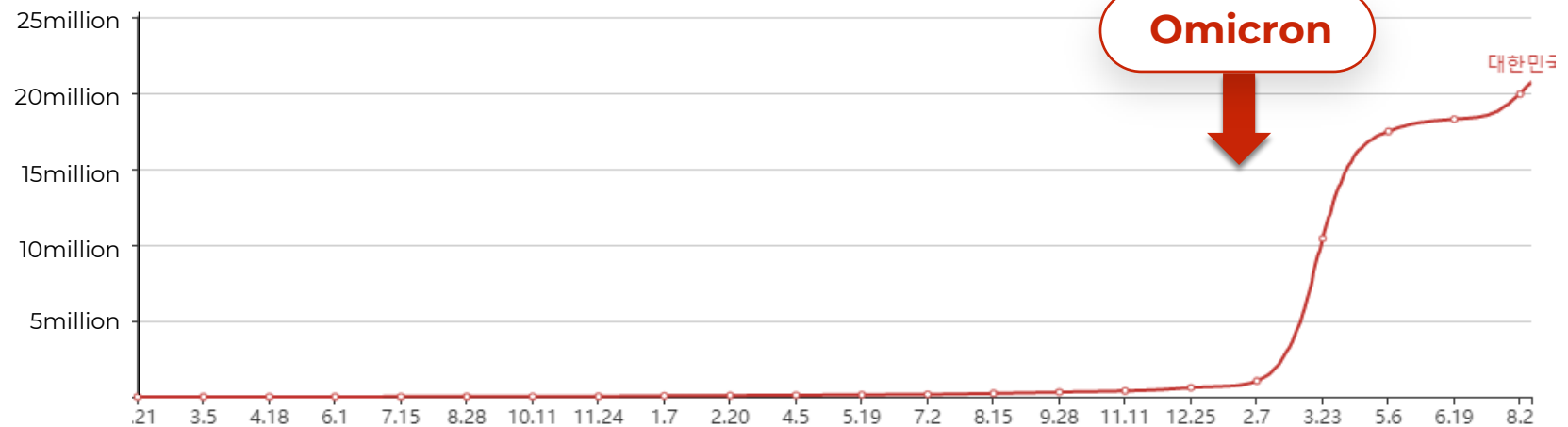
#1

The emerging of variant strain Challenges in
the era of post COVID Pandemic.

Cumulated and daily cases of COVID-19, Aug 9, 2022 in Korea

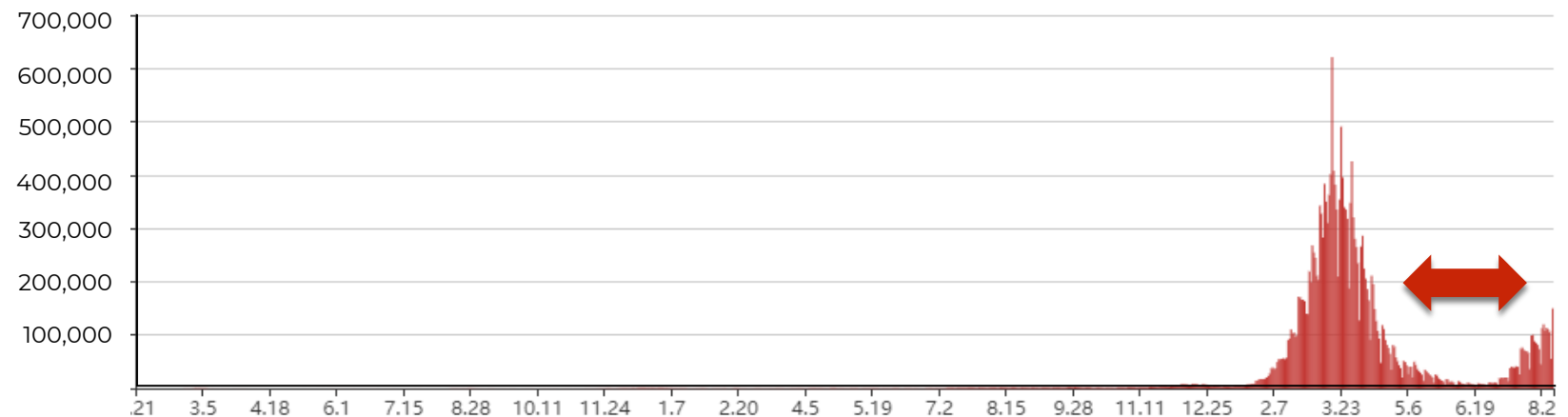
Cumulated cases of COVID-19

Aug 9, 2022 in
Korea



Daily cases of COVID-19

Aug 9, 2022 in
Korea



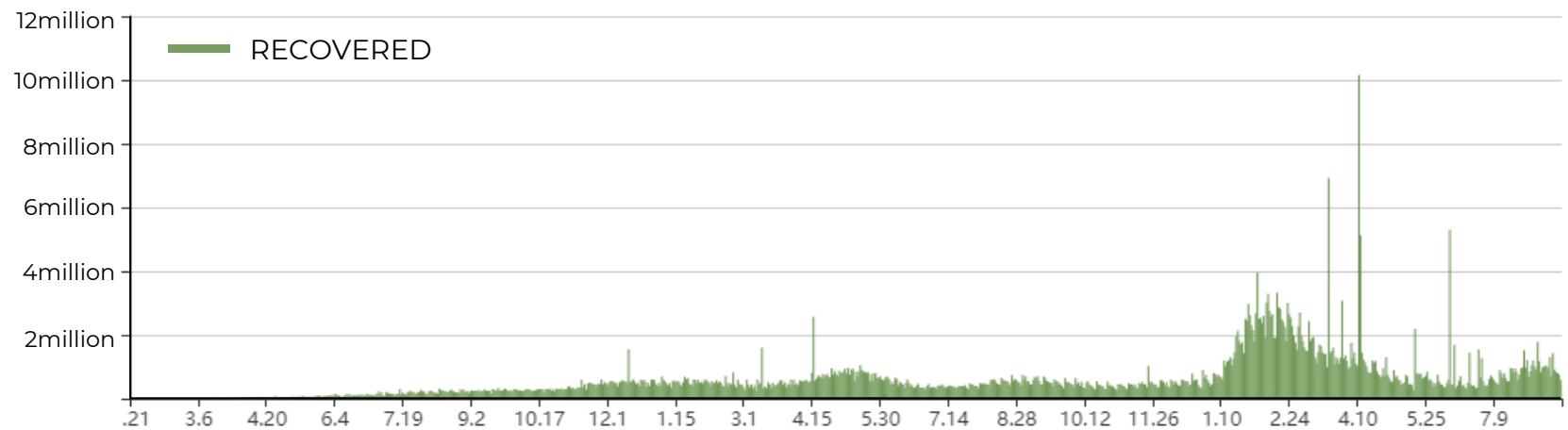
#1

The emerging of variant strain Challenges in
the era of post COVID Pandemic.

Daily cases of COVID-19, Aug 22, 2022 in the world, US and Korea

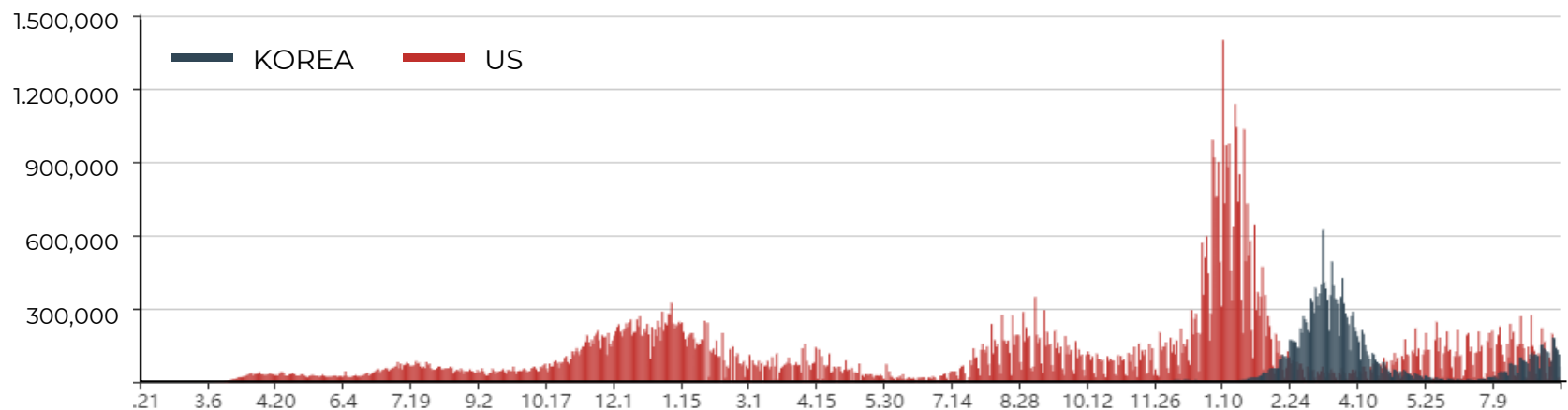
Global Covid-19 Trend

Aug 22, 2022
in the world



Global Comparison Chart

Aug 22, 2022 in
Korea, US



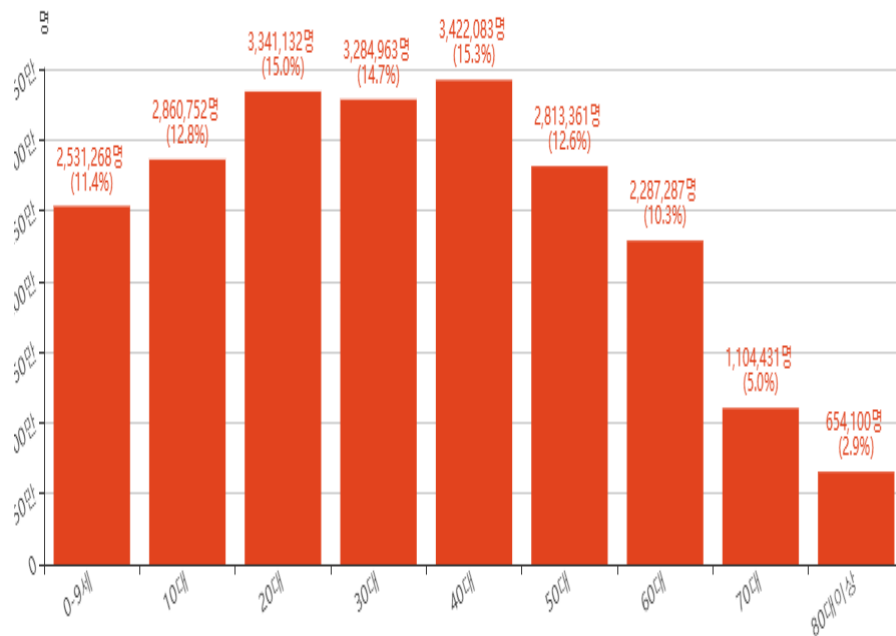


#1

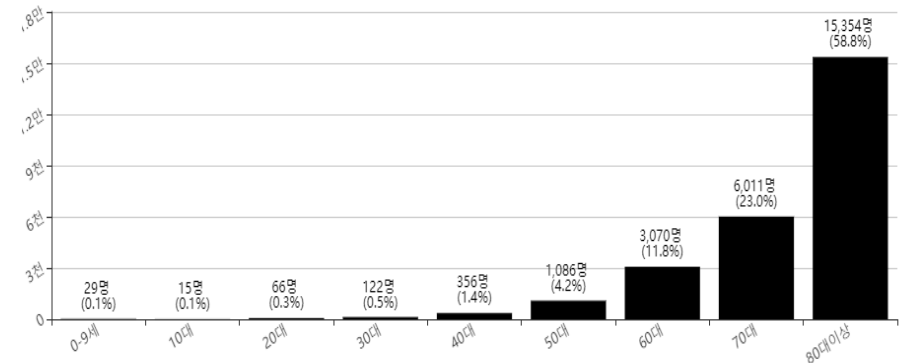
The emerging of variant strain Challenges in the era of post COVID Pandemic.

Incidence, deaths, mortality by age

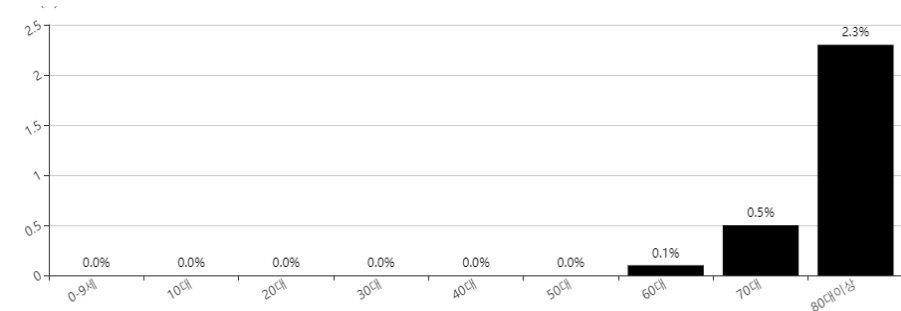
The incidence of COVID-19 age in Korea



All deaths of COVID-19 by age in Korea



Mortality by age in Korea



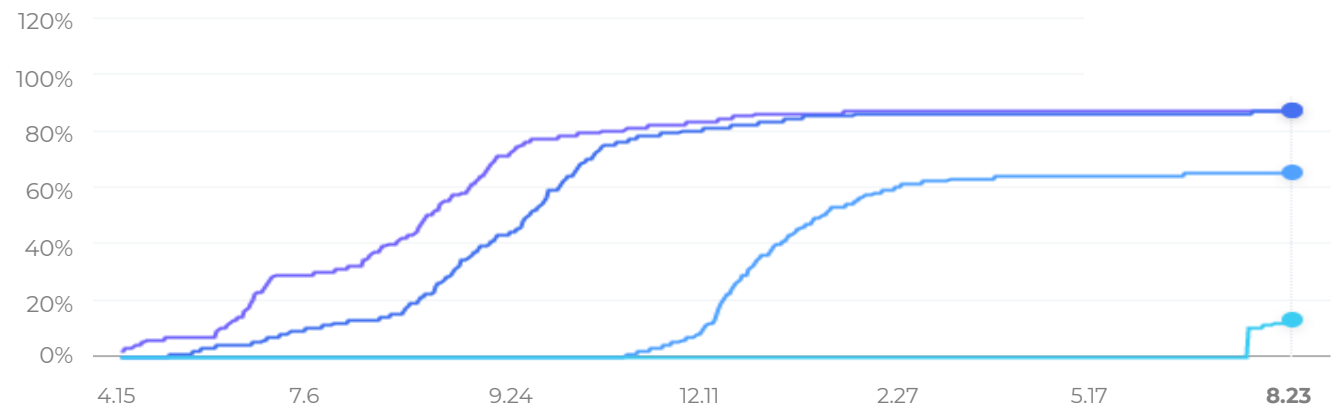
#1

The emerging of variant strain Challenges in
the era of post COVID Pandemic.

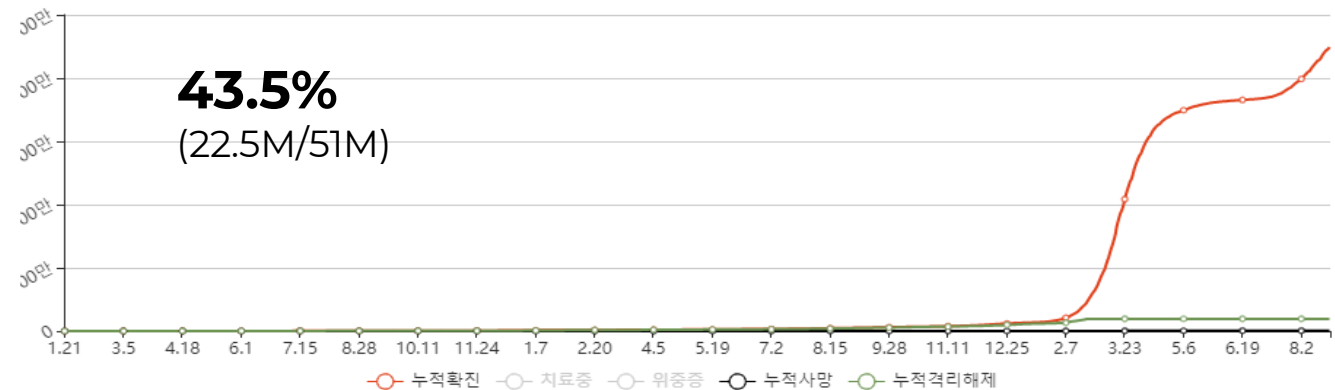
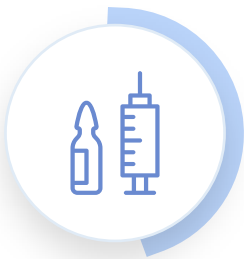
Vaccination rate and natural infected case in Korea

Vaccination rate (Aug 23, 2022)

- 1st 87.8%
- 2nd 87.0%
- 3rd 65.3%
- 4th 13.5%



Infection rate



#1

The emerging of variant strain Challenges in
the era of post COVID Pandemic.

Strategy changes after omicron for covid-19 in Korea

1. The SARS-CoV-2 variant strain from Delta to Omicron

2. The Omicron

- shows higher infectivity and less mortality.
- less effective : active surveillance and quarantine

3. Early treatment with Paxrovid or Lagebrio.

- Strongly recommended early treatment the age over 80 (mortality 15093 death, 2.42%) and 70 (mortality 5914 death, 0.57%) with or without symptoms.
- It could reduce mortality in general. For the age over 60 (mortality 3019 death, 0.14%), We also recommended if they have symptoms.
- In case of all risk patients



#1

The emerging of variant strain Challenges in
the era of post COVID Pandemic.

What the Coronavirus Variants Mean for the End of the Pandemic?



#2







To change against
variation of COVID-19

The prevention and care of post-COVID condition
(Long COVID)

with post COVID-19 condition, also known as Z“long COVID”

COVID-19 Symposium -
Holistic Health Care
in a New Era

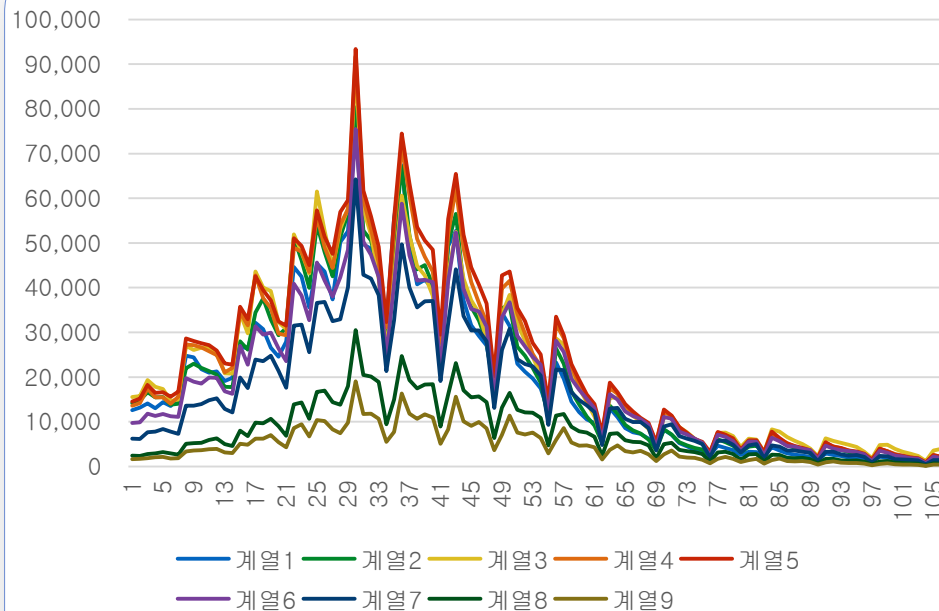


	GENERAL SYMPTOMS	Tiredness or fatigue that interferes with daily life Symptoms that get worse after physical or mental effort (also known as “post-exertional malaise”), Fever
	PULMONARY & HEART	Difficulty breathing or shortness of breath Cough, Chest pain, Fast-beating or pounding heart (also known as heart palpitations)
	NEUROLOGIC	Difficulty thinking or concentrating (sometimes referred to as “brain fog”) Headache, Sleep problems, Dizziness when you stand up (lightheadedness) Pins-and-needles feelings
	PSYCHIALRIC	Change in smell or taste, Depression or anxiety
	GASTROINTESTINAL	Diarrhea, Stomach pain
	MUSCULAR AND ETC	Joint or muscle pain, Rash, Changes in menstrual cycles

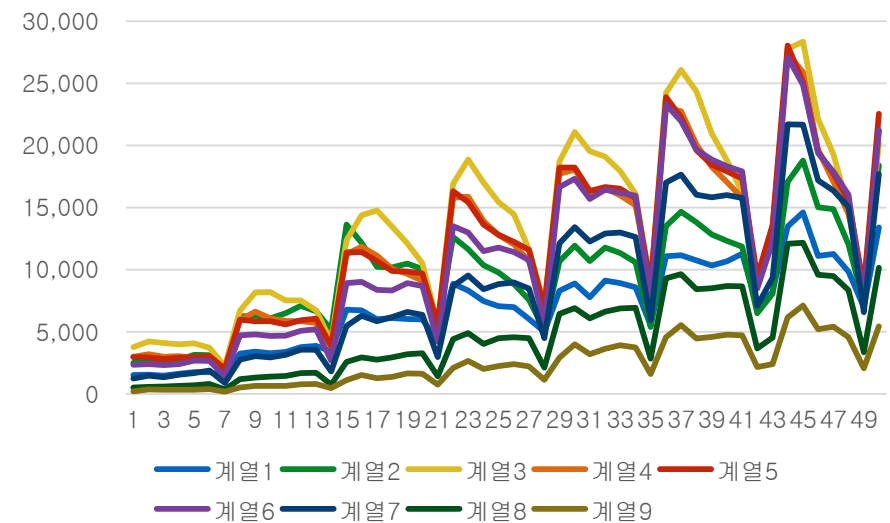
#2

The prevention and care of post-COVID condition (Long COVID)
with post COVID-19 condition, also known as "long COVID"

**In Korea, total confirmed cases : 22,449,475 (43.5%)
deaths : 26,161(0.12%) (2022-8-23)**



Apr~Jun, 2022



Jul~Aug, 2022

#2

The prevention and care of post-COVID condition (Long COVID)
with post COVID-19 condition, also known as “long COVID”

Recent Prevalence characteristics changes for covid-19 in Korea

Recently Covid-19 Omicron was resurged nationwide and whole world.

In Korea, the incidence below age 20 rapidly increased.

Self quarantine at the beginning of infection and self cautions after 7 days isolation are essential to prevent of spread.



#3

To change against
variation of COVID-19

National Holistic healthcare system for
covid-19 in Korea

Improving the health care system for the post-COVID world

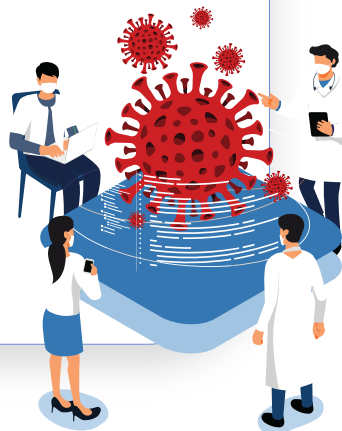
COVID-19 Symposium -
Holistic Health Care
in a New Era



To manage variable COVID-19 patients

Need for more flexible Healthcare system

- Contact and Non-contact medicine
- Telemedicine
- Home care system



To reduce mortality of severe and chronic patients

- Critical Care medicine
with transportation network
- Special Hospital for chronic
infected patient

> Remote Medicine with ICT technique

#3

National Holistic healthcare system for covid-19 in Korea
Improving the health care system for the post-COVID world

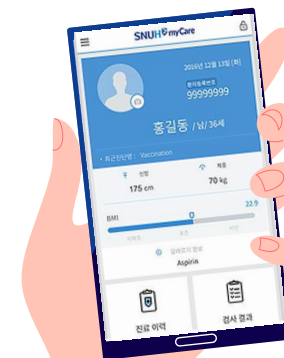
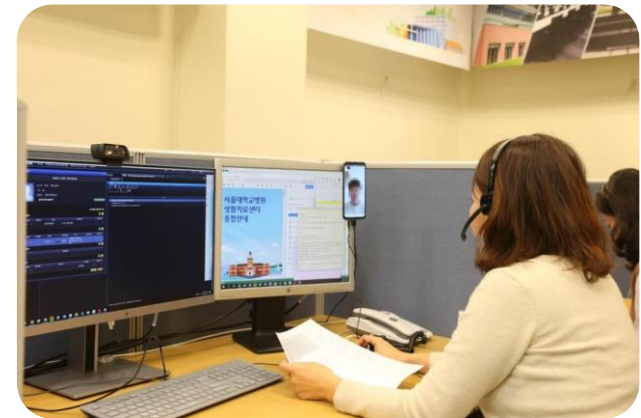
REMOTE MEDICARE TARGETTING CONFIRMED COVID-19 PATIENTS SERVICE DURING COVID-19 CRISIS, Lifestyle or living treatment center

Nurses ask patients detailed questions about their conditions via video calls through smart phones.

Medical questionnaires filled out by patients and X-ray scans are uploaded onto the computer.

Radiologists from Seoul National University Hospital, see the video and enter the results

The hospital has been able to check the symptoms of confirmed patients in real time and transfer patients with aggravated symptoms to larger neighboring hospitals.



#3

National Holistic healthcare system for covid-19 in Korea
Improving the health care system for the post-COVID world

Holistic Health Care in a New Era of Korea

1

The emerging of variant strain challenges in the era of COVID pandemic

- To reduce mortality, early tx. with anti-viral agents
- Flexibility of the traditional healthcare system
- Remote medicine

2

The prevention and care of Long COVID

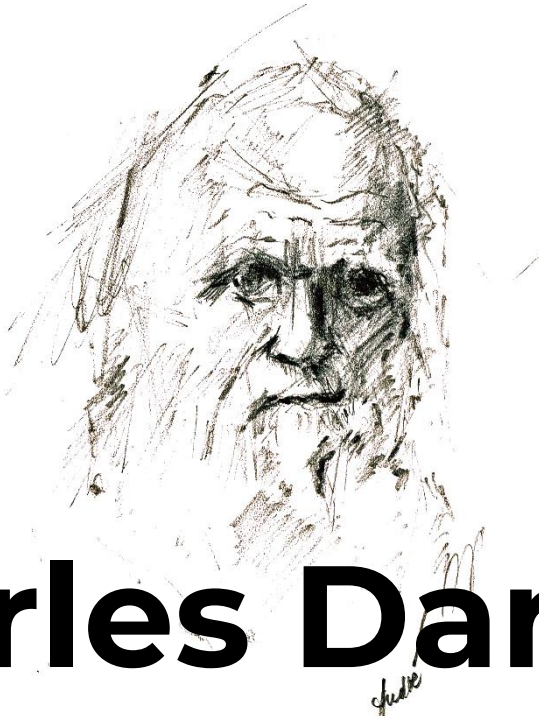
- We don't know yet, more studies

3

Improving the health care system

- Remote medicine, telemedicine,
- Special Infection Hospital for critical and chronic ill patient with infection





Charles Darwin, (1809-1882)

It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is most adaptable to change.