

Japan: Preparing for the crisis



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On behalf of COVID-19 task force of Japan Society for Transplantation and Japan Surgical Society



No disclosure



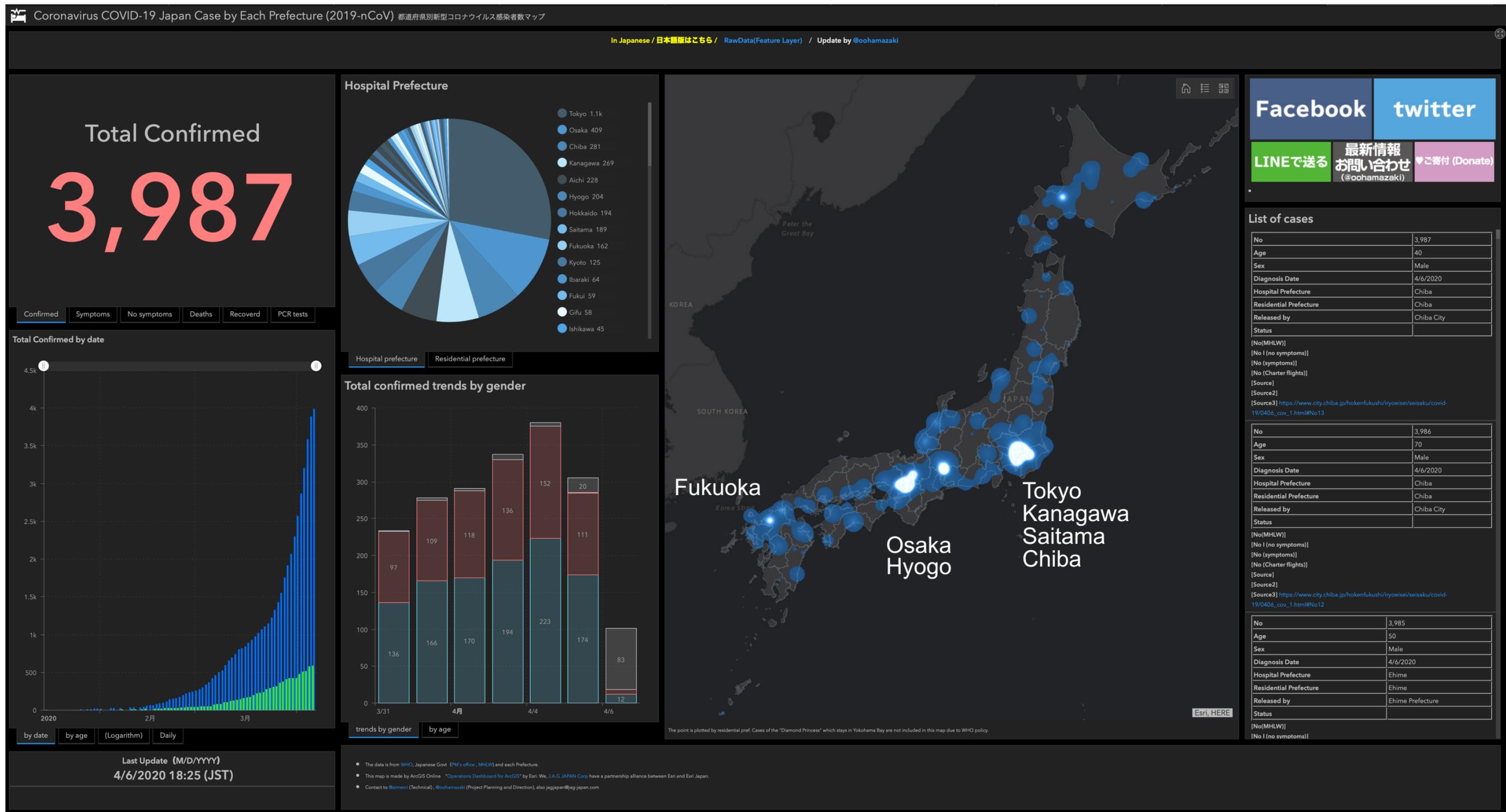
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Beginning of the **health care crisis**



https://jagjapan.maps.arcgis.com/apps/opsdashboard/index.html?fbclid=IwAR0-B5a7aZ4d8lhCgKunU7waZ3oYZswW3MZq2Pqk_fU89fJHx6EA6n0qX_s#/641eba7fef234a47880e1e1dc4de85ce



As of Apr 6, 2020 18:25 JST

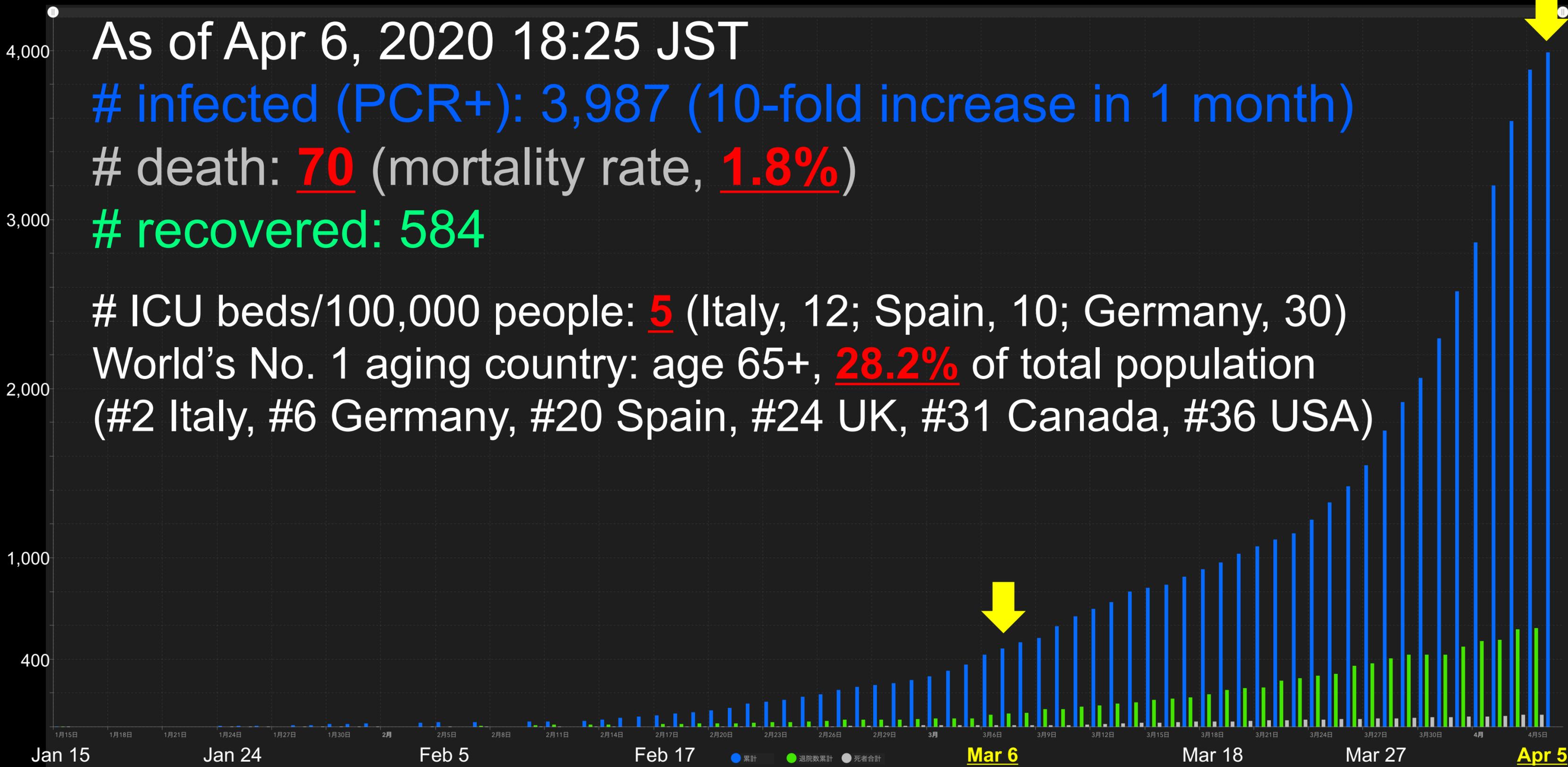
infected (PCR+): 3,987 (10-fold increase in 1 month)

death: 70 (mortality rate, 1.8%)

recovered: 584

ICU beds/100,000 people: 5 (Italy, 12; Spain, 10; Germany, 30)

World's No. 1 aging country: age 65+, 28.2% of total population
(#2 Italy, #6 Germany, #20 Spain, #24 UK, #31 Canada, #36 USA)



Summary: Guidelines for COVID-19 and organ transplantation

Japan Society for Transplantation, ver. 1 (March 6, 2020)

- Living donor

- Kidney, intestine, pancreas: Postpone (desirable)

- **Lung and liver: Proceed with caution**

- ✓ Risks of donor-to-recipient COVID-19 transmission and increased severity of disease once infected should be fully explained

- ✓ Donor candidate should be fully evaluated for the risk of COVID-19 infection (close contact with a confirmed COVID-19 patient, travel history to pandemic areas, with fever and respiratory symptoms)

- ✓ Recipient candidate should undergo nasopharyngeal swab for PCR test if the possibility of COVID-19 infection CANNOT be excluded

- ✓ **Donor and recipient candidates are recommended to stay home or at a medical facility for 14 days prior to the date of transplantation**



Summary: Guidelines for COVID-19 and organ transplantation

Japan Society for Transplantation, ver. 1 (March 6, 2020)

- Deceased donor (total 97 in 2019)
 - Kidney, intestine, pancreas: Postpone (recommended)
 - **Heart, lung, and liver: Proceed with caution**
 - ✓ If a potential donor meets the **criteria for suspected COVID-19 infection**^{*}, organ donation is cancelled
 - ✓ Other precautions follow those of living donor settings

*Criteria for suspected COVID-19 infection

- a. Fever and respiratory symptoms with a history of close contact with a confirmed COVID-19 patient
- b. Fever $\geq 37.5^{\circ}\text{C}$ and respiratory symptoms with a travel history to, or who was a resident of an epidemic area according to WHO
- c. Fever $\geq 37.5^{\circ}\text{C}$ and respiratory symptoms with a history of close contact with an individual having a travel history to, or who was a resident of an epidemic area according to WHO
- d. Fever, respiratory symptoms, etc. who requires intensive care and COVID-19 infection cannot be excluded

- Average waiting time for deceased donor transplantation
 - **Heart: 1,173 days (duration of VAD support, 1,211 days)**
 - **Lung: 968 days (drop out rate, 40%)**
 - **Liver: 377 days (drop out rate, 42%)**
 - **Kidney: 15.7 years**



Ongoing initiatives

- Launch a national registry of COVID-19 infected recipients
Japan Society for Transplantation (draft version)

入力フォーム

移植施設名 診療科 Affiliation

移植臓器 Transplanted organ

年齢 性別 男 女 移植日 Date of transplantation
Age Sex

COVID-19診断日 Date of confirmed COVID-19 infection

COVID-19診断前の免疫抑制剤 Immunosuppression regimen

①カルシニューリン阻害剤 シクロスポリン (CyA) タクロリムス (FK506またはER) 未使用

②核酸合成阻害剤 ミコフェノール酸モフェチル ミソリピン (MZR) アザチオプリン (AZP) 未使用

③mTOR阻害剤 エベロリムス (RAD) シロリムス (Rapamycin) 未使用

④ステロイド 使用 未使用

⑤その他 使用 未使用

Travel history within 14 days before the onset

発症前14日間における渡航歴 有 無

COVID-19診断時の症状 Symptoms at diagnosis

①発熱 (37.5℃以上) 有 無 ②咳嗽 有 無 Fever > 37.5°C Cough

③咽頭痛 有 無 ④鼻汁 有 無 Sore throat Runny nose

⑤呼吸困難感 有 無 ⑥倦怠感 有 無 Dyspnea Fatigue

⑦その他 有 無

臨床経過

治療後の経過

- Principles of surgery in COVID-19 pandemic
Japan Surgical Society, ver. 1 (Apr 1, 2020)
 - Recommendations for triage of elective operations
 - Guidance on Personal Protective Equipment
 - Risk management of aerosol generating procedures
 - Other perioperative considerations
 - How to avoid infection of health care professionals
 - How to protect your family etc.

<https://www.jssoc.or.jp/aboutus/coronavirus/info20200402.html>





Thank you

