

Long-COVID syndrome in COVID-19 with dialysis dependence and kidney transplantation

Case Record Form (P.1/5)		ID				
		Date of admission				(DD/MM/YY)
Age: (years)						01
Gender (male, 01; female, 02)						02
Body mass index (kg/m ²)						03
Time from onset to hospitalization (day(s))						04
Number of comorbidities						05
Comorbidities						06
01 Type 2 DM (yes, 1; no, 0)						07
02 Hypertension (yes, 1; no, 0)						08
03 Chronic kidney disease (yes, 1; no, 0)						09
04 Ischemic heart disease (yes, 1; no, 0)						10
05 Chronic respiratory disease (yes, 1; no, 0)						11
06 Immunosuppressive disease (yes, 1; no, 0)						12
Current medication(s) (yes, 1; no, 0)						13
Received COVID-19 vaccine type (1 st / 2 nd / 3 rd / 4 th)				/		
01 None				/		
02 mRNA [BNT162b2(BioNTech/Pfizer)				/		
03 mRNA-1273 (Moderna)				/		
04 Vector [ChAdOx nCoV-19 (AstraZeneca)]				/		
05 Ad26.COV2.S (Johnson & Johnson)				/		
06 CoronaVAC (Sinovac)				/		
07 BBIBP-CorV (Sinopharm)				/		
08 Others:				/		

[NA : DATA NOT AVAILABLE]

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Case Record Form (P.2/5)	ID	
Respiratory supports		15
01 None		
02 Low-flow nasal cannula or face mask		
03 High-flow nasal cannula		
04 Non-invasive mechanical ventilation		
05 Invasive mechanical ventilation (full ventilation support)		
Treatments		
01 Antiplatelet agent (yes, 1; no, 0)		16
02 Anticoagulant agents (yes, 1; no, 0)		17
03 Favipiravir (yes, 1; no, 0)		18
04 Remdesivir (yes, 1; no, 0)		19
05 Tocilizumab (yes, 1; no, 0)		20
06 Baricitinib (yes, 1; no, 0)		21
07 Tofacitinib (yes, 1; no, 0)		22
08 Hemoperfusion (yes, 1; no, 0)		23
09 Corticosteroids (yes, 1; no, 0)		24
10 Others (yes, 1; no, 0)		25
Renal function status		
01 No chronic kidney disease (yes, 1; no, 0)		26
02 Chronic kidney disease, stage 1 (yes, 1; no, 0)		27
03 Chronic kidney disease, stage 2 (yes, 1; no, 0)		28
04 Chronic kidney disease, stage 3a (yes, 1; no, 0)		29
05 Chronic kidney disease, stage 3b (yes, 1; no, 0)		30



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Case Record Form (P.3/5)

ID

- 06 Chronic kidney disease, stage 4 (yes, 1; no, 0) ☐☐ 31
- 07 Chronic kidney disease, stage 5 (yes, 1; no, 0) ☐☐ 32
- 08 Dialysis dependence (yes, 1; no, 0) ☐☐ 33
- Hemodialysis (yes, 1; no, 0) ☐☐ 34
- Peritoneal dialysis (yes, 1; no, 0) ☐☐ 35

Laboratory at enrollment

- White blood cell count (cells/mm³) 36
- Polymorphonuclear neutrophil count (cells/mm³) 37
- Lymphocyte count (cells/mm³) 38
- Platelet count (x10³ cells/mm³) 39
- BUN (mg/dL) 40
- Creatinine (mg/dL) 41
- C-reactive protein (mg/L) 42
- D-dimer (ng/mL) 43
- PCR covid: ORF1ab gene CT 44
- PCR covid: N gene CT 45
- Disease severity (mild = 1; moderate = 2, severe = 3) ☐ 46

PLEASE check ✓

1. Mild/moderate disease:

☐ Fever, ☐ upper respiratory infection symptoms, ☐ with or ☐ without pneumonia.

2. Severe: Any of the following:

- ☐ respiratory failure,
- ☐ respiratory rate ≥ 30 breaths per minute,
- ☐ oxygen saturation at rest $\leq 93\%$,
- ☐ PaO₂/FiO₂ ≤ 300 mmHg.



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Case Record Form (P.4/5)

ID

3. Critical: Any of the following:

- ☐ need for invasive mechanical ventilation (IMV),
- ☐ shock,
- ☐ multiple organ failure.

COVID-19 Outcomes:

- | | | |
|--|---|----|
| 01 Death (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 47 |
| 02 Fully recover (SpO2 > 97% at room air) (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 48 |
| 03 Partial recover (SpO2 93-96% at room air) (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 49 |
| 04 Refer or discharge with oxygen support (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 50 |

Long-COVID syndrome (yes, 1; no, 0)		51
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Long-COVID syndrome characteristics

- | | | |
|---|---|----|
| 01 Respiratory signs and symptoms (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 52 |
| 02 New/ uncontrolled hypertension (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 53 |
| 03 Sleep wake disorder (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 54 |
| 04 Nervous system signs and symptoms (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 55 |
| 05 Musculoskeletal pain (not low back pain) (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 56 |
| 06 Malaise and fatigue (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 57 |
| 07 Chest pain (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 58 |
| 08 Oropharyngeal disorders (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 59 |
| 09 Abdominal pain (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 60 |
| 10 Dysphagia (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 61 |
| 11 Diarrhea (yes, 1; no, 0) | <input type="text"/> <input type="text"/> | 62 |
| 12 Constipation | <input type="text"/> <input type="text"/> | 63 |



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Case Record Form (P.5/5)

ID

- | | | |
|---|---|----|
| 13 Loss of appetite/ anorexia (yes, 1; no, 0) | ☐ ☐ | 64 |
| 14 Indigestion (yes, 1; no, 0) | ☐ ☐ | 65 |
| 15 Vomiting (yes, 1; no, 0) | ☐ ☐ | 66 |
| 16 Loss of taste (yes, 1; no, 0) | ☐ ☐ | 67 |
| 17 Peritonitis / intraabdominal infection (yes, 1; no, 0) | ☐ ☐ | 68 |
| 18 Others (yes, 1; no, 0) | ☐ ☐ | 69 |

Onset of Long-COVID syndrome (post COVID-19, month(s)) ☐☐ 70

End of Long-COVID syndrome (post COVID-19, month(s)) ☐☐ 71

Long-COVID-19 Outcomes:

- | | | |
|------------------------------------|---|----|
| 01 Death (yes, 1; no, 0) | ☐ ☐ | 72 |
| 02 Fully recover (yes, 1; no, 0) | ☐ ☐ | 73 |
| 03 Partial recover (yes, 1; no, 0) | ☐ ☐ | 74 |

