SUPPLEMENTARY FILE 2

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1. **Pre-operative information extracted from EMS**

1.1 **List of preoperative laboratory test collected:**

- **Routine analysis of blood**
  - Hemoglobin (g/L)
  - Hematocrit
  - White blood cell count more than $12 \times 10^{12}$/L, n (%)
  - Platelet count (109/L)

- **Liver function**
  - Alanine aminotransferase (IU/L)
  - Aspartate aminotransferase (IU/L)
  - Total protein (g/L)
  - Albumin (g/L)
  - Globulin (g/L)
  - Total bilirubin (μmol/L)
  - Total bile acid (μmol/L)
  - Serum Creatinine (μmol/L)
  - Serum Urea (mmol/L)
  - Serum Uric acid (μmol/L)
  - Prothrombin time (second)
  - Activated partial thromboplastin time (second)
  - International normalized ratio

- **Electrolyte**
  - Potassium (mmol/L)
  - Sodium (mmol/L)
  - Calcium (mmol/L)

- **Total cholesterol (mmol/L)**
- **Triglycerides (mmol/L)**
- **Glucose (mmol/L)**
- **C-reactive protein (mg/L)**
- Interleukin-6 (pg/ml)

### 1.2 List of intraoperative information collected:

- **General anesthesia**
  - Intubation (Yes/No)
  - LMA (laryngeal mask airway; Yes/No)

- **Mechanical ventilation settings**
  - Volume controlled (Yes/No)
  - Pressure and other controlled (Yes/No)
  - Peak airway pressure (Yes/No)
  - FiO2 (%, fraction of inspiratory oxygen)
  - Tidal volume (ml)

- **Arterial Blood Gas**
  - PaO2 (mmHg; partial pressure of oxygen)
  - PaCO2 (mmHg; partial pressure of carbon dioxide)
  - pH
  - BE
  - Lactic acid (mmol/L)
  - Glucose (mmol/L)
  - HCO3- (mmol/L)
  - K+ (mmol/L)
  - Ca+ (mmol/L)
  - Na+ (mmol/L)

- **Intraoperative medications**
  - Midazolam (mg)
  - Dexmedetomidine (Yes/No)
  - NSAIDs ((Yes/No; nonsteroidal anti-inflammatory drugs)
  - Antiemetics (Yes/No)
  - Inotropes or vasopressors (Yes/No)
  - Antihypertensive drugs (Yes/No)
- Atropinol (Yes/No)
- Antiarrhythmics (Yes/No)
- Potassium injection (Yes/No)
- Calcium agent (Yes/No)
- Insulin (Yes/No)
- Blood transfusion (Yes/No)
- Introperative urine (mL)
- Introperative hemorrhage (mL)
- Sufentanil (μg)
- Neuromuscular blockade (Yes/No)
- Antiasthma (Yes/No)
- Administered fluids (mL)
- Diuretics (Yes/No)

- Status of postoperative patients
  - PACU (post anesthesia care unit; Yes/No)
  - Ward (Yes/No)
  - ICU (intensive care unit; Yes/No)

2. COVID-19 information collection survey
*: Questions must be answered

* 01 Hospital Admission ID No

* 02 Name

* 03 Gender

* 04 Age (years)

* 05 Date of the surgery (YYYY/MM/DD)

* 06 History of COVID-19 disease
  - Not infected
  - Suspected symptoms appear, not tested and not diagnosed, please answer question 07
  - Test confirmed, please answer question 08

07 Time of onset of the suspected symptoms (YYYY/MM/DD)

08 Time of diagnosis (YYYY/MM/DD)

09 Method of confirmed diagnosis
  - PCR
  - antigen
  - Other

10 [Multiple selection] symptoms
  - Cough
  - pharyngalgia
  - Fever
  - headache
  - myalgia
  - nausea
- vomit
- diarrhoea
- Impairment in taste or smell
- Other please specify

11 The symptom grade
- Asymptomatic
- Mild symptoms
- Moderate symptoms (air absorption saturation <94% after activity)
- Severe symptoms (worsening of respiratory function, respiratory failure, or other organ failure)

12 The COVID-19 treatment site
- Household
- Hospital
- ICU

* 13 Vaccination doses
- One dose
- Two doses
- Three doses
- Four doses
- Unvaccinated

14 Time of the last dose (YYYY/MM/DD)

15 The last dose of the species
- injection
- inhalation

16 The last dose of the vaccine manufacturer
- Beijing biology
- Beijing kexing
- Lanzhou biology
- Wuhan biology
- other

*17 Surgical area*
- Main Surgical regions
- Orthopedics department
- Gastrointestinal department
- Neurology department
- Cardiovascular department
- Burn Unit
- Daytime operating room
- Ophthalmology department

This online survey can be access via the QR-code below (Chinese version).