

Surgery and trauma

Under the COVID-19 situation

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Board of Surgery

Fields of interest

- Trauma Surgery
- Acute Care Surgery
- Aviation Medicine

Jobs

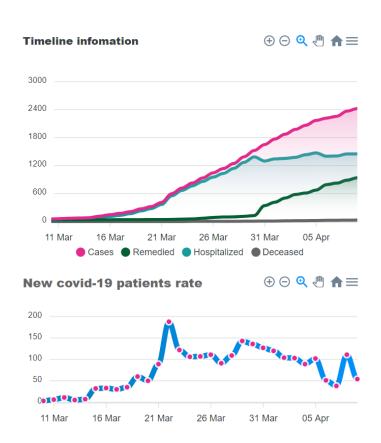
Medical Director

- Surgery Center
- Bangkok Trauma Center





Situation in Thailand



COVID-19 Infected Situation Reports Last update: 09/04/2020





Surge ... Patients, Panic, Awareness

Limited ... Medical resource

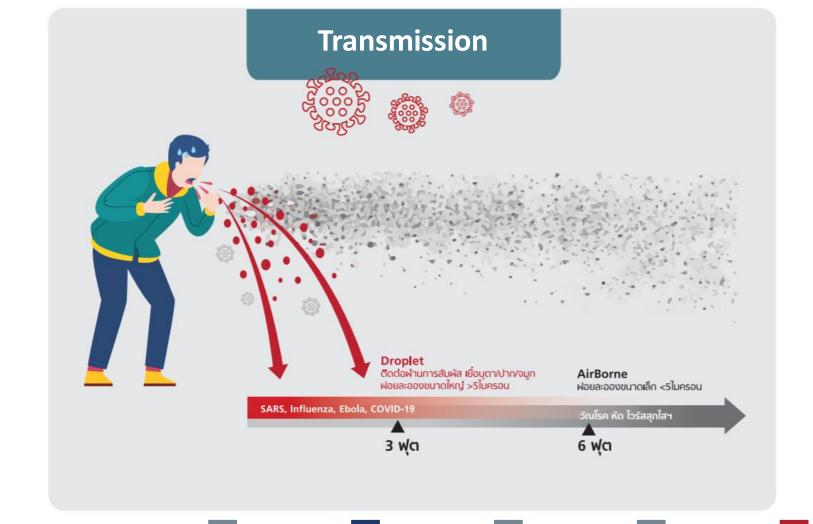
Limited ... Access to care

Not only COVID-19 patients.

All patients are affected.









How we provide appropriate care

Sorting of patients for proper care, isolation, and protection

Access control: Screening prior to entrance **High risk** cases will be directed to isolation service areas **Low risk** patients: Universal precaution for droplet

- Flu free buildings?
- Flu signs & symptoms free building

Emergency cases get care by ER staff under airborne PPE.



Droplet Precaution











Hand hygiene Surgical mask Face shield

Gloves, gown

Social distance





Personal Protective Equipment, PPE







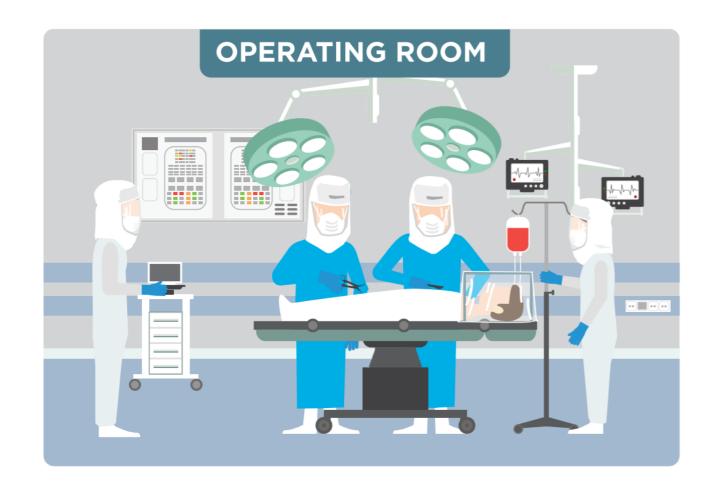
























COHORT WARD



How we provide appropriate care

Preparedness and quick response to changes

- Knowledge and skills of healthcare providers
- Supporting resource eg. PPE, COVID-19 Test
- Isolation facility for PUI.
 - Acute Respiratory Infection(ARI) Clinic and Non-ARI Clinic
 - Dedicated operating room
 - Cohort ward/ICU



How we provide appropriate care

Prioritization: Elective surgery vs Emergency surgery

- Emergency surgical conditions: No delay.
- Urgent conditions should be managed to prevent emergency needs.
- Not all elective surgeries should be postponed.
 - Warning symptoms or high risk of serious complication
 - Not responds to proper medical management
 - Progression of tumor or diseases



FAQs: Test for COVID-19, It's me?

Who

Respiratory tract symptoms + Risk of contact Emergency case, or history and risk cannot be assessed

How and how long

Looking for the body of viruses, RNA. Nose & throat swab Detection of our body reaction, the immunity to viruses in blood.



FAQs: Test for COVID-19, It's me?

Mild

- Symptomatic treatment
- Isolation: Self quarantine or cohort ward, and follow up

Serious

- Cohort ICU: High end ventilator, Heart-Lung machine(ECMO)
- Anti-viral drugs and immunomodulation
- Definitive care: in progress, full throttle R&D.



FAQs: Test for COVID-19, It's me?

It depends on risk of transmission

Aerosol generating procedures (AGP)

e.g. General anesthesia, endoscopy

Yes - Test before operation.

Perioperative management depends on result.

Non-AGP

No - Droplet precaution is OK.



FAQs: Biohazards and safety in hospital

Fears: Corona viruses in hospital environment and workers

Facts: Possibility and risk of viral transmission

- COVID patients in hospitals, and in the communities
- Healthcare providers contact COVID patients, so do you.

Actions: Infection control in hospitals and communities.

- Screening, sorting and isolation of patients at risk
- Protection by proper PPE



Thank you for your attention