

## Kasemrad International Hospital Vientiane







(R) Assoc.Prof.Dr.Chalerm Harnphanich, M.D. Chief Executive Officer (L) Asst.Prof.Dr. Somporn Harnphanich, M.D. Deputy Chief Executive Officer

Bangkok Chain Hospital Public Company Limited ("BCH") started its business as a hospital operator since 1984 and has been expanding and growing until become one of the leading operators in healthcare service and the largest service provider under Social Security Scheme in Thailand. BCH operates fifteen hospitals and one polyclinic within the network of 2,521 registered beds to serve all types of patients under four hospital groups namely; World Medical Hospital, Kasemrad International Hospital, Kasemrad Hospital and Karunvej Hospital.

BCH will strictly adhere to operate the business in line with ethical principles and good corporate governance guidelines to ensure sustainability and stability of the Company.





Kasemrad Hospital Bangkae (311 beds) opened in 1984 **Kasemrad Hospital** 

Kasemrad Hospital Saraburi (200 beds) opened in 1996



**Kasemrad Polyclinic** Maesai (30 beds) opened in 2004





Karunvej Hospital Ayudhaya (105 beds) opened in 2014

**Kasemrad Clinic** 

**Chiang-san Branch** 

opened in 2014

**Kasemrad Hospital** 

Chachoengsao (100 beds) opened in 2015





Kasemrad Hospital Ramkhamhaeng (139 beds) opened in 2018

**Kasemrad Hospital** Prachinburi (115 beds) opened in 2021

Inception

Expansion I (1993 – 2004)

Sriburin

(120 beds) opened in 1993

Expansion II (2013 – present)



Kasemrad Hospital Rattanatibeth (400 beds) opened in 1993



Prachachuen

**Maseenreal Hobschitai**c SukMapishan 3 ((BOOlbeetts)) oppeneetti in 2200044 (371 beds) opened in 1997



Kenem væd Hkospiltæll SEP Ath Tina dimenday (2001 Devilor ) oppendered 200024014



Kasemrad Hospital Rattanatibeth (119 beds) opened in 2015



Aranvaprathet



Kasemrad Hospital Kasemrad International Hospital Vientiane (51 beds) opened in 2020 (110 beds) opened in 2021









โรงพยาบาลเกษมราษฎร์ KASEMRAD INTERNATIONAL

โรงพยาบาลเกษมราษฎร์ KASEMRAD HOSPITAL

โรงพยาบาลการุญเวช KARUNVEJ HOŠPITAL

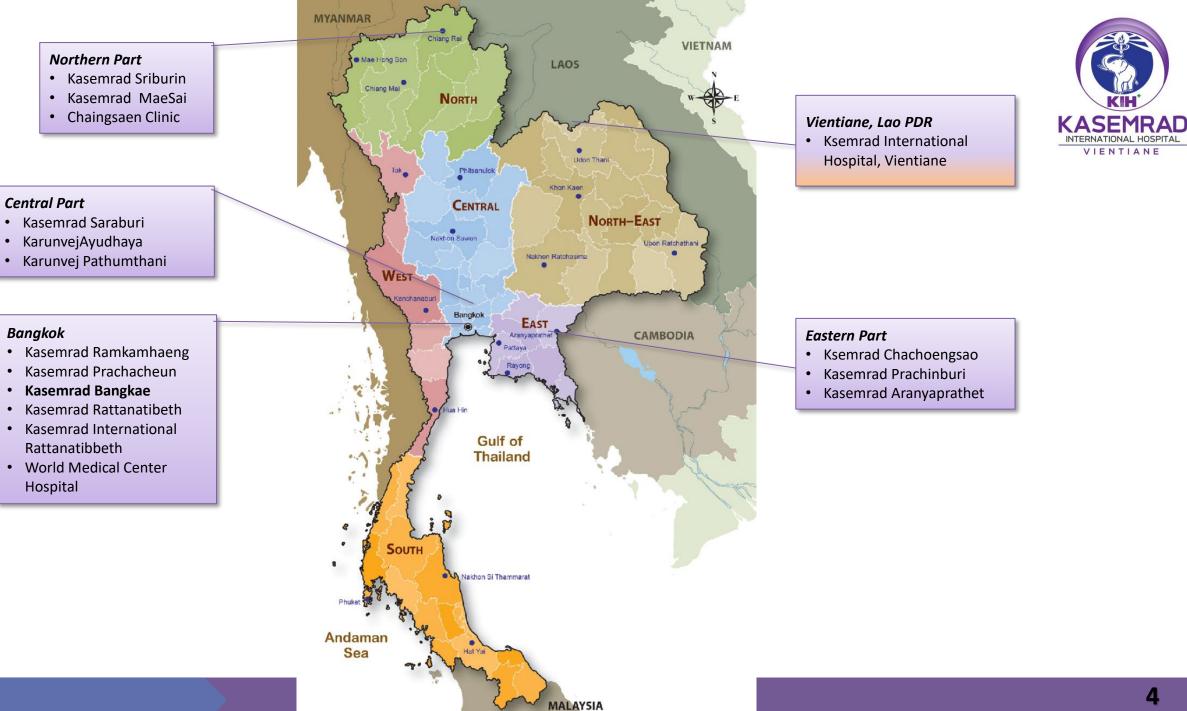


#### Bangkok Chain Hospital Public Company Limited

BCH was established in 1984 and listed on the Stock Exchange of Thailand in 2004. BCH has registered and paid up capital of 2,494 MB.

Currently, BCH owns 15 hospitals and 1 polyclinic in Bangkok and provincial to serve all types of patients under four Hospital brands. To ensure our creditability and standard, our hospitals in the group received an international accreditation such as DNV GL,JCI and National Hospital Accreditation (HA).







#### Kasemrad International Hospital, Vientiane

Groundbreaking on 25 May 2018, 70 MUSD



 $\circ$  Grand Opening on 19 August 2021



ou are cordially invited to attend The VIP Grand Opening Celebration o **"Kasemrad International Hospital Vientiane**" Thursday, August 19th, 2021 From 8 AM – 12 PM



#### Kasemrad International Hospital, Vientiane

- Tertiary Care Hospital 254 beds (1<sup>st</sup> Phase 110 beds), area 1.92 Hectare
- Building A: 7 Floors Building, 51,280 sqm. (internal space 44,970 sqm.)
- Building B: Catering, Laundry and General Support
- Building C: 5 Floors Dormitory
- Wastewater management Building
- Car Parking 14,424 sqm. for 450 cars

#### **Hospital Full Capacity**

Number of beds = 254 beds. (available 110 rooms in first phase)

Operating Theatre = 6 rooms (use 3 rooms in first phase)

Delivery = 3 rooms Nursery = 6 units Pre & Post Labor = 2 units Observation room = 14 units = 10 units ICU CCU = 4 units Hemodialysis = 20 units Endoscope & ERC = 2 units Emergency Treatment = 7 units (CPR 1)





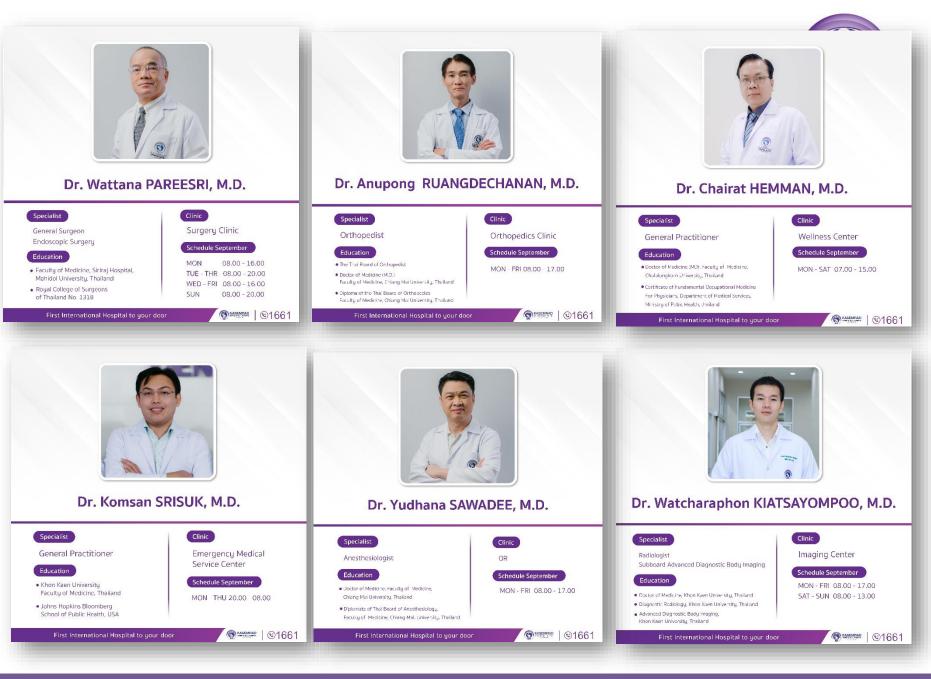


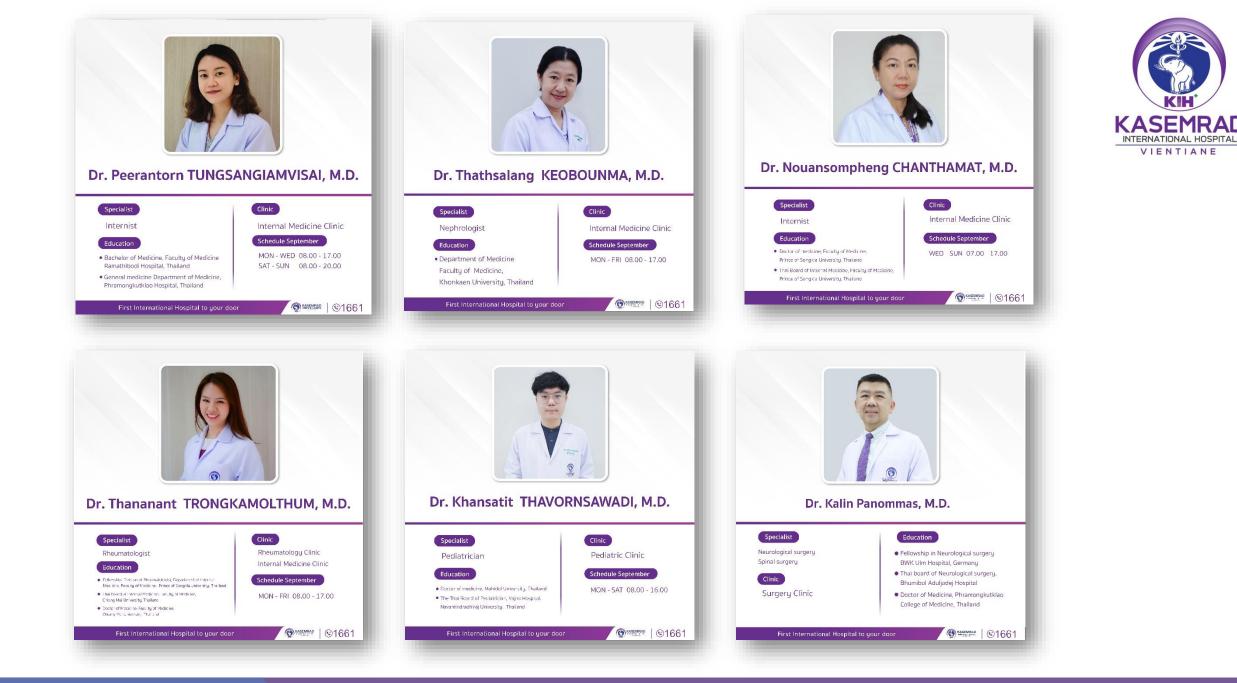
# **Nursing Service Team**

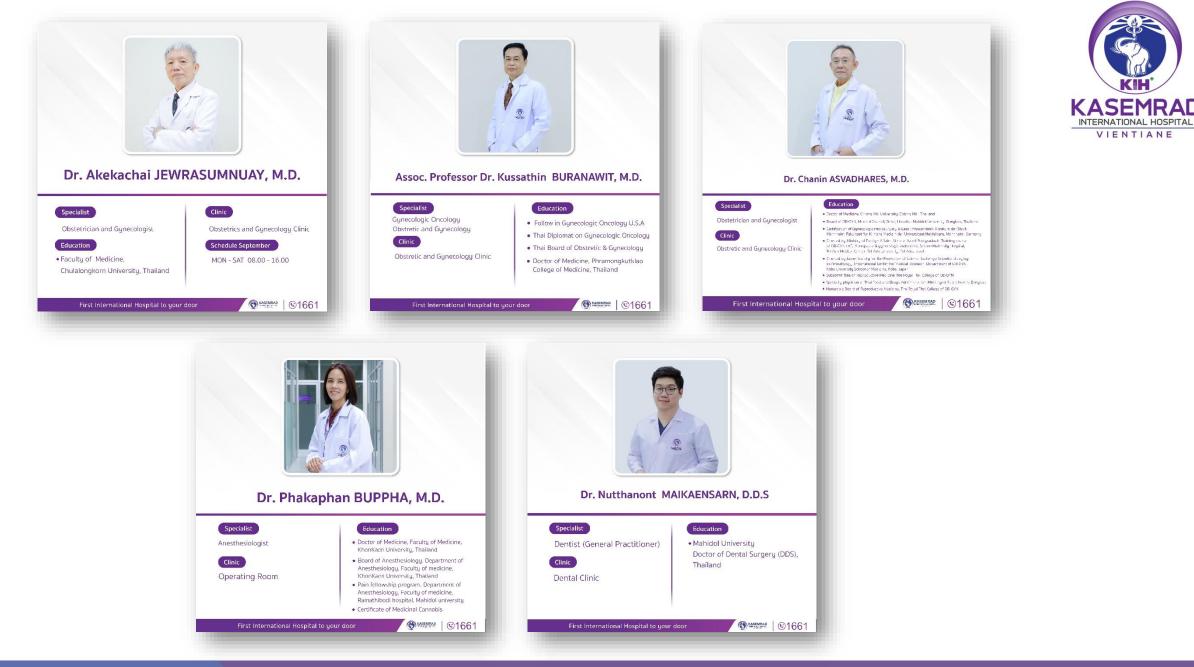




Specialty	FT	PT
Internist	4	3
Surg & Ortho	3	2
OBYGN	3	6
Pediatrician	1	7
Anesthesiologist	2	7
Opthalmologist	1	4
ENT	0	3
Radiologist	1	3
GP	4	0
EP	0	2
Dentist	2	0
Total	21	37







## **Current Specialists**

#### **# Internal Medicine**

- General Internal Medicine

Sub-board

- Rheumatologist
- Nephrologist

#### **# Surgery**

- General surgery
- Minimal invasive surgery (MIS)

#### **# Pediatric**

- General Pediatrician
- Child Development Pediatrician
- Neonatal Care

#### **# OBGYN**

- General obstetric & gynecologist
- Infertile
- Onco-Gynaecologist
- **# Orthopedic**
- General Orthopedist
- **#** Anesthesiologist
- Pain Management
- # Radiologist
- Advance Body Imaging
- **#** General Practitioner
- **# General Dentist**





### 1<sup>st</sup> Floor

#### **<u>Centers and Clinics (38 consultation rooms)</u>**

**Internal Medicine** 

**Cardiology Center** 

Digestive Disease Center (GI)

**Rheumatology Clinic** 

**Wellness Center** 

**International Medical Services (IMS)** 

**Pediatric Clinic** 

**E-ENT Clinic** 

**General Surgery** 

Minimal Invasive Surgery(MIS)

Traumatology

**Orthopedic Center** 

Arthroplasty surgery

Spine surgery

**Emergency Medical Service(EMS)** 

**OB** / **GYN Clinic** 

**Medical Imaging Unit** 



## **Specialized Clinics**









#### **Wellness Center**









#### **International Medical Services (IMS)**

Oversea Insurance services Interpreter (Chinese and Japanese)

Medical evacuation and repatriation

Travelling Medicine

**Tropical Medicine** 





#### **Medical Imaging Unit**





CT 160 slides **MRI 1.5 T** Echocardiogram Ultrasound 4 D



#### **Emergency Medical Services (EMS)**











#### Ambulance









#### 2<sup>nd</sup> Floor

#### **Critical Departments/Units**

**OR Department** 

Operating room

Endoscopic Unit

Recovery room

**Cardiac Cath Lab** 

ICU/CCU

Labor Room

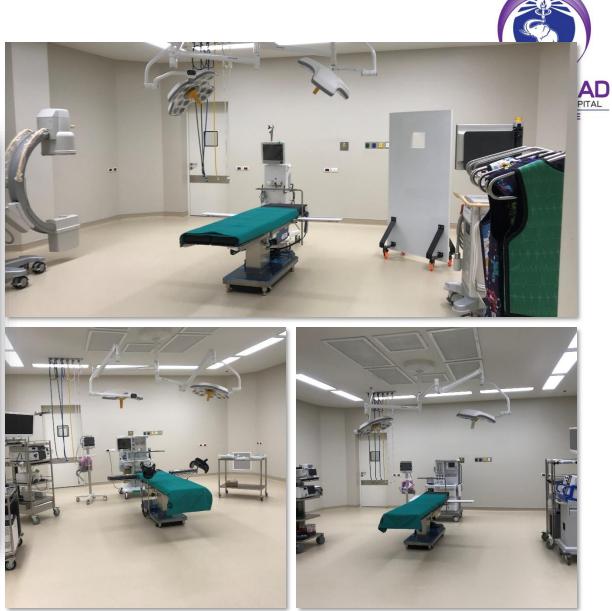
Nursery

Hemodialysis Center PM&R Dental Clinic Aesthetic Clinic Pharmacy Department Laboratory Department CSSD



## **Operating Room, Cardiac Cath Lab**





## ICU / CCU





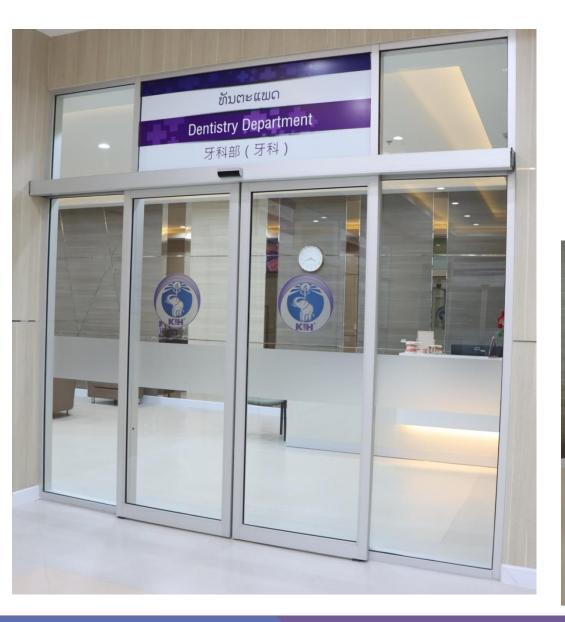


## Labor Room / Nursery





## Dental









### Physical Medicine & Rehabilitation (PM&R)













## Hemodialysis Unit (8 units, full capacity 20 units)







#### **3rd Floor**

**Office and Medical Support Department** 

**Administration Office** 

**Meeting Room** 

**Meeting Hall** 

**Pharmacy Department** 

Laboratory Department

**General service supply** 

**ICT Center** 



### **Pharmacy Department**





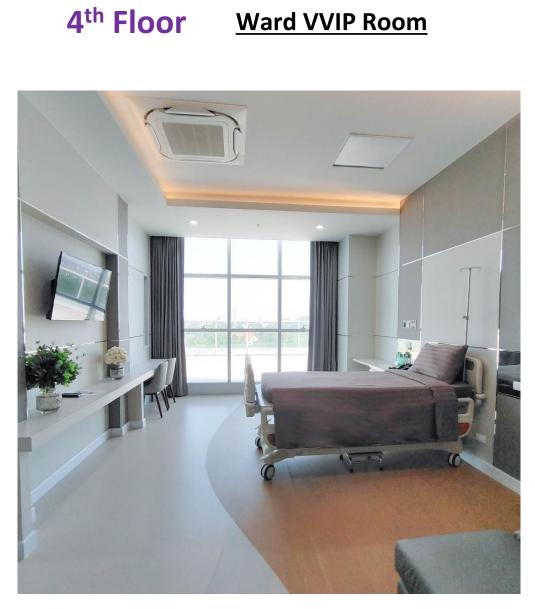




#### **Laboratory Department**















### 4<sup>th</sup> Floor Ward VIP Room









## 4<sup>th</sup> Floor <u>Standard Room</u>









# **Facilities Management System**

## Heating, Ventilation and Air – Conditioning (HVAC)



#### **HVAC System**

- VRV (Variable Refrigerant Volume) for Inpatient rooms.
- Supply-air filters typically are specified based on ASHRAE recommendations





## Water Supply and Sanitation System

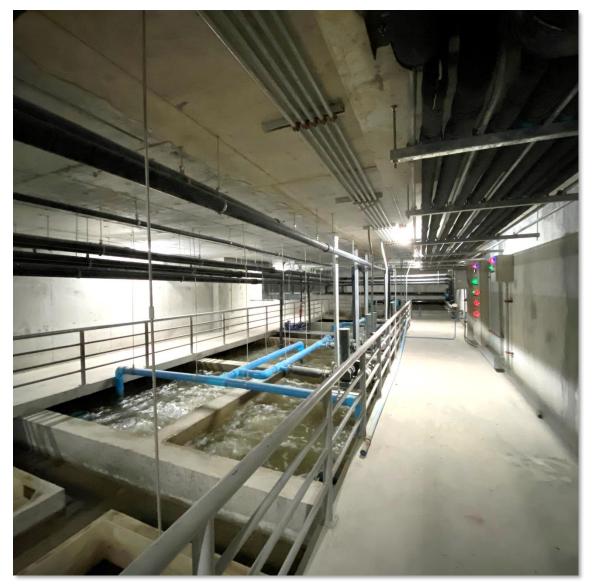




## Water Supply System

- 2 underground water storage tanks 214 CUM
- 2 rooftop water storage tanks 238 CUM
- Total water supply reservation 452 CUM
- Average water usage 165 CUM/day
- Regular consumption for 2.74 days during water supply shortage

# Water Supply and Sanitation System





### Waste water treatment System

- Activated Sludge Processs
- Full capacity 180 CUM/day, cover the estimate of watse water 128 CUM/day

# **Electricity and ICT**





- Generator 2,000 KVA/1,600 KW can generate the electricity for 8 hrs.
- UPS Dry-type 2,000 KVA/1,600 KW



## **Fire Safety Facilities**





## Fire Alarm Control Panel (FCP)

- Smoke detector and sprinkle # 588 points
- Fire Alarm Manual station # 40 points
- $\circ~$  Alarm Bell with Strobe Light # 105 points



## **Fire Safety Facilities**



## **Fire Suppression System**

- Underground water storage tank 129 CUM
- $\circ~$  Fire Extinguisher ABC (Red tank) # 34
- Halotron (Green tank) # 10 tank for electronic equipment
- FM 200 (Clean gaseous agent) # 5 tanks 124 liters





# **Medical Gas System**



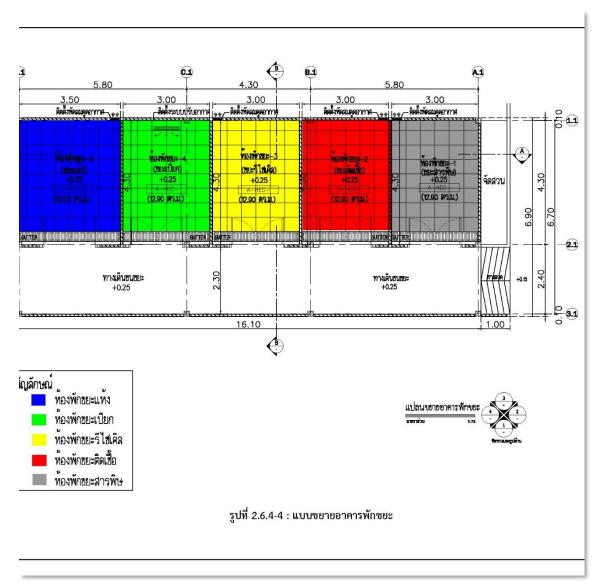






RAD OSPITAL N E

## Waste & Medical Waste Management



# KASEMRAD INTERNATIONAL HOSPITAL VIENTIANE

## Waste Management

- Wet general waste # 12.9 CUM
- Dry general waste # 15.05 CUM
- Recycle waste # 12.9 CUM
- Hazadous waste # 12.9 CUM
- Medical waste # 12.9 CUM

## **Security System**





## **Fire Suppression System**

- CCTV # 90 cameras
- Access Control; Finger Scan and Video Doors
  Phone System





# **Quality Management System**

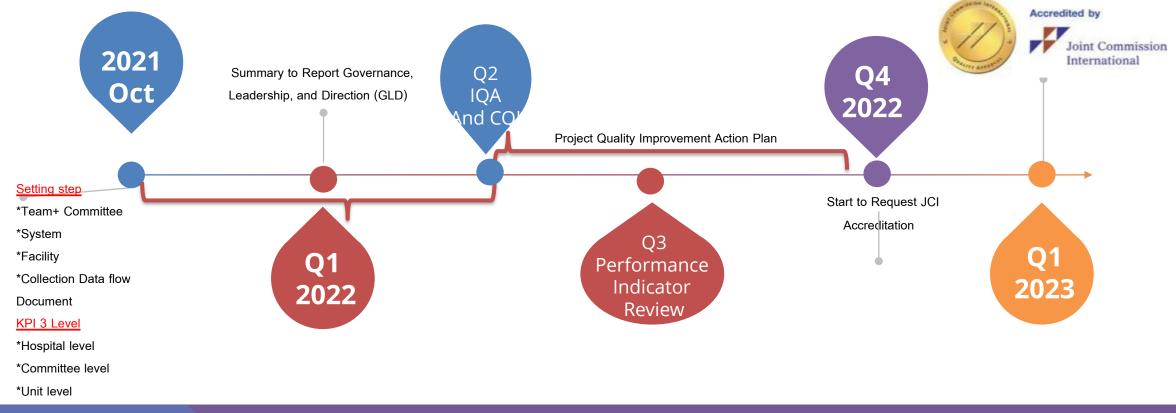


## Roadmap to JCI Accreditation

### Initial Survey Scheduling

JCI schedules surveys systematically and efficiently to keep accreditation fees to a minimum. Therefore,

hospitals are encouraged to accept scheduled survey dates. Initial surveys (a hospital's first full accreditation survey) should be scheduled within 6 months from the time JCI receives the hospital's application for survey.







# **CoVid 19 Situation**



### ຮັບບໍລິການກວດທຸກ ຈັນ - ອາທິດ ເວລາ 08.00 AM - 04.00 PM Service available everyday MON - SUN during 08.00 AM - 04.00 PM

ລາຍການກວດ / Examination	ຄ່າບໍລິການກວດ / Price	ຮູ້ຜົນພາຍໃນ/ Result with in
ບໍລິການກວດຄັດກອງເບື້ອງຕົ້ນແບບ ATK ລວມໃບຢັ້ງຢືນທາງການແພດ Antigen Rapid Test (ATK) with medical certificate	245,000 <sup>BU</sup> LAK	<b>30</b> ນາທີ / minutes
ບໍລິການກວດດ້ວຍການຕ້ວຍ ດັງ ແລະ ຄໍ ບໍ່ ລວມໃບຢັ້ງຢືນທາງການແພດ RT-PCR without medical certificate	875,000 <sup>Bu</sup> Lak	<b>24</b> ຊົ່ວໂມງ / hrs
ບໍລິການກວດແບບວ່ອງໄວ ດ້ວຍການດ້ວຍ ດັງ ແລະ ຄໍ ບໍ່ ລວມໃບຍັງຢືນທາງການແພດ RT-PCR Flash Quantitative PCR without medical certificate	1,050,000 Åu	<b>2</b> ຊົ່ວໂມງ / hrs
Please notify request for medic ຕັ້ງແຕ່ 9 ກຸມພາ 2022 ຫລືຈົນກ່ວາຈະມີການປ່ຽນແປງ ( 9th February ເງື່ອນໄຂ ລາຄານີ້ ລວມຄ່າບໍລິການຄ່າໂຮງໝໍ ແລະ ຄ່າບໍລິການພະຍາບານ		
aintu ລວມຄາບລາກປາດເຮັງໝ ແລະ ຄາບລາກປະເອບານ ທາງໂຮງໝໍ ຂໍສະຫຼວນສີດໃນການປ່ຽນແປງຂໍ້ມູນ, ເງື່ອນໄຂ ແລະ ລາຄ ໂດ Terms and Conditions Price including service fees and medical supplies for The hospital reserves the right to change the inform	package	prior notice
ໂທສອບຖາມເພີ່ມເຕີມແລະ ນັດໝາຍໄດ້ທີ່ ພະແນກສຸກເສີນ For more information or make appointment, please (	call Emergency Center at 😢 166	51 ά / ext. 1901, 1902
First International Hospital to you	Ir door	MRAD AL HOSPITAL



#### ອັດຕາຄ່າບໍລິການຮັກສາຄົນເຈັບໂຄວິດ - 19 ໃຫ້ການດູແລຮັກສາໂດຍແພດແລະພະຍາບານຕະຫລອດ 24 ຊົ່ວໂມງ Treatment Service Rate for Covid-19 Patients Treatment under supervision of doctor and nursing team 24 hours.

- 📕 ເກນການຮັບເຄສ ຕ້ອງເປັນຄົນເຈັບຕິດເຊື້ອໂຄວິດ-19 ແລະ ຢູ່ໃນເກນສີຂຽວ ຄື ຕິດເຊື້ອ ແລະ ບໍ່ມີອາການ ຫລື ມີອາການຫນ້ອຍ ອາຍຸບໍ່ເກີນ 60 ປີ ແລະ ສາມາດຊ່ວຍເຫຼືອໂຕເອງໄດ້ ບໍ່ມີພາວະທາງຈິດ
- Criteria of admitting case, the treatment is for covid-19 patients who are not under critical condition with mild symptoms or asymptomatic patients with the age of under 60 years old. Patients must have the ability to care themselves for daily routines activities with no signs of mental health.

米

AIRCON

24 Hr

MEDICAL

**3 MEALS** 

**ປະເພດຫ້ອງ ແລະ ລາຄາຂອງບໍລິການລວມ** 7 <mark>ຄືນ</mark> Room Type and Service Rates Total of 7 night

Standard Room ລາຄາ / price 33,600,000 ກີບ / LAK

VIP Room ລາຄາ / price 52,500,000 ກີບ / LAK

VVIP Room ) ລາຄາ / price 66,500,000 ກີບ / LAK

#### ້ ເງື່ອນໄຂການຮັບບໍລິການ

- 1. ຖ້າໃນກໍລະນິຄົນເຈັບ ຫລື ພີ່ນ້ອງ ຕ້ອງການ ທີ່ໃຫ້ຢາທີ່ບໍ່ແມ່ນ ພາວີ (favipiravir ) ແລະ ອາວິພານ (avigan ) ຕ້ອງຈ່າຍຄ່າຮັກສາເພີ່ມເຕັ້ມ ເຊັ່ນ ແອນຕື້ບໍດີ້ ຄໍອກເຫວ (antibody cocktail) ຫລື ເລັມເດຂຊີເວຍ (Remdesivie) ໃຫ້ຄືນຄ່າຢາ ເອວີແກນ (avigan ) ຈຳນວນທີ່ບໍ່ໃຊ້ຕາມລາຄາຂາຍ
- 2. ໃນກໍລະນີເບິກຢາ ແລະ ອຸປະກອນ ຫລາຍກ່ອນແພັກເກັດ ໃຫ້ຄິດໄລ່ເງິນເພີ່ມຕາມລາຄາຂາຍທີ່ຢູ່ໃນ ແພັກເກັດ

3. ໃນກໍລະນີຄົນເຈັບສື່ຂຽວທີ່ນອນມາຢູ່ແລ້ວບໍ່ເກີນ 7 ມື້ ແລ້ວກັບມາເປັນສີເຫຼືອງ ຫລື ສີແດງ ໃຫ້ຄິດລາຄາຂອງໂຮງໝໍໂດຍວັນທີ່ບໍ່ຄົບແພັກເກັດໃນຄືນເງິນຄ່າຫ້ອງ ຄ່າຢາ ແລະ ອຸປະກອນເມື່ອ ວັນທີ່ມີອາການປ່ຽນແປງຕາມການວິມີໄສຂອງແພດ

#### Terms and Conditions

 In case of patient or family is requesting for other medication such as antibody cocttail or Remderivie which are non package medicine or not divipriavir and avigan, the hospital will charge as actual usage. Hospital will return the expense for medicine within the package which is Avigan according to selling price.
 In case of over quantity use of medicines and supplies from package, hospital will charge additional expenses according to actual usage and actual expenses.

according to selling price within the package. 3. In case of patient who stay not over than 7 days and condition turn into severe condition, hospital will return amount according to the days left to the patient. Once turn into severe condition, the hospital will instead charge as the actual usage according to the doctor's recommendation.





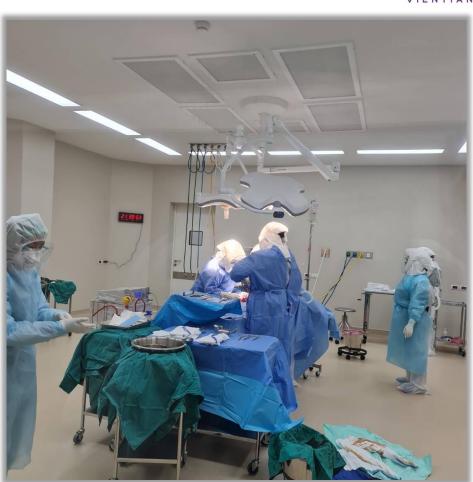
## CoVid 19: Transportation & Operating cases



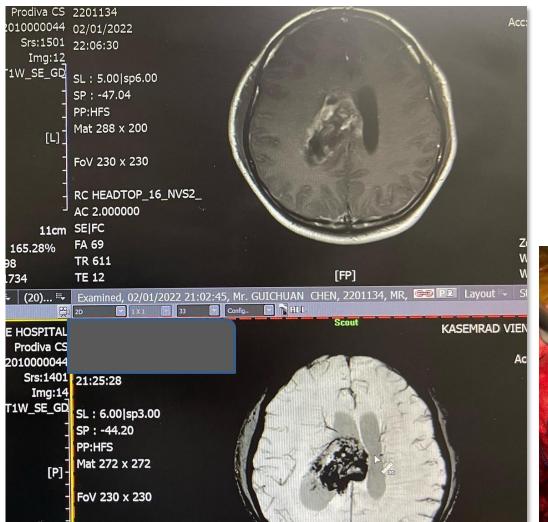






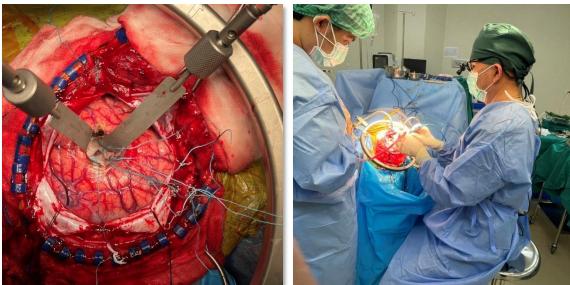






**Brian Injuries and Diseases** 

- Brian tumor case
- Ist case brain surgery in hospital





# Medical Evacuation

- Ground / Ambulance medical evacuation
- $\circ$  Air evacuation
- Domestic
- International / Cross border
- $\circ$  Train evacuation



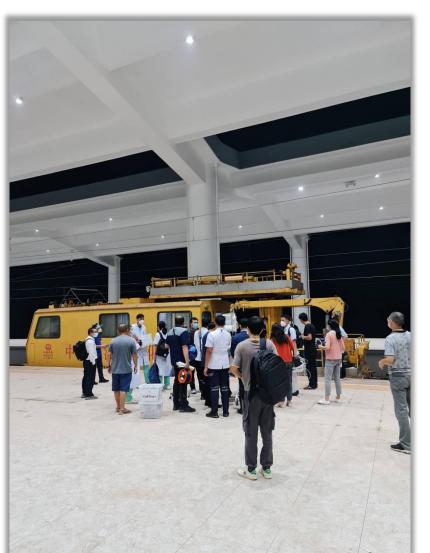


Collaborate with Lao Skyways to arrange the carriers by Aircraft configuration AS350 or Cessna 208 B









- Evacuation by railway
- Cross-border air evacuation



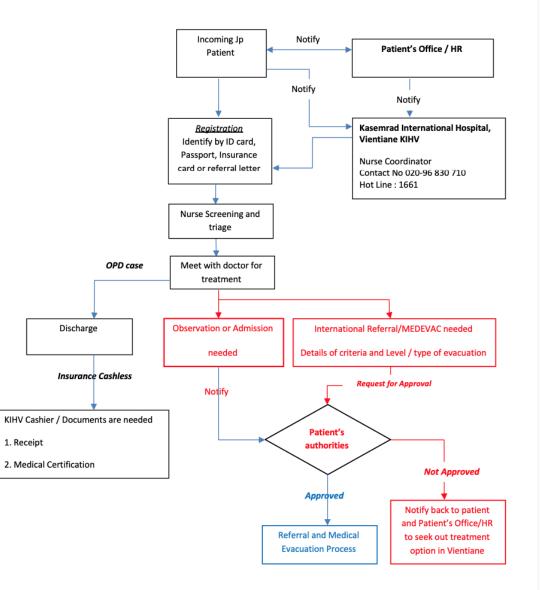




# Workflow for Admission & Referral Workflow

Admission & Referral Flow for Japanese Patients

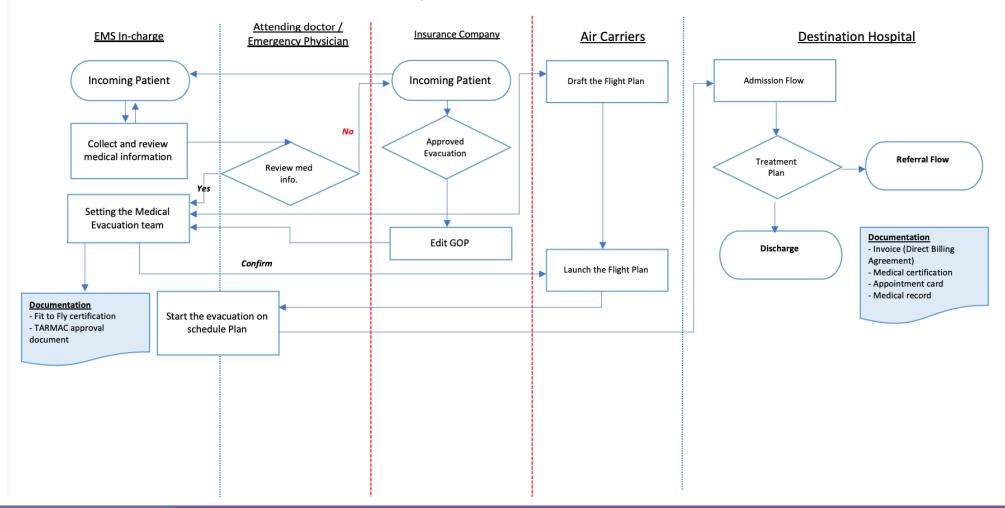
Kasemrad International Hospital, Vientiane





## **Medical Air Evacuation Workflow**





### Refer-in/out Air Evacuation Workflow



