What is KKU ICEM?

KKU ICEM is basically one of the most intense emergency medicine competitions. There, you have to compete with medical students from all over the world. You not only have to face many challenges, but will also be provided with a wonderful experience through beautiful cultures and friends who will bring a smile to your face.

Theme: Point of Care Ultrasound and Related Emergency Conditions

Nowadays, ultrasound imaging is an important tool used to help diagnose numerous diseases. Especially in an emergency situation, Ultrasound plays a critical role in revealing internal organ injuries and facilitating precise diagnoses and management to ensure the patients’ survival. This year, we will bring you new challenging tests and workshops in the theme of “Point of Care Ultrasound and Related Emergency Conditions”. Be ready to pick up these probes and find out what’s going on inside.
Dean’s message

I would like to welcome you to the 5th KKU ICEM 2020, Khon Kaen, Thailand. This competition is established in order to make KKU’s faculty of medicine an academic exchange center in emergency medicine for international medical students and to encourage the connection between medical students who share the same interest. I hope this competition will raise awareness for the importance of emergency medicine.

I hope you have a good time while staying in Khon Kaen and meeting new friends. Khon Kaen has its own uniqueness of modern and northeastern culture. I hope this adventure will bring you lots of good memory.

Best regards,
Associate professor Charnchai Panthongviriyakul, MD
Dean, Faculty of Medicine
Dear participants,

Welcome to Khon Kaen, Thailand. I’m honored to be a part of the major emergency challenge this year and having a great pleasure to greet you all.

Emergency medicine is essential in doctors’ life. All of us have a tendency to face with life-threatening conditions at any moment. Imagine you are running in a marathon, a nearby athlete passes out just in front of you, and everyone is asking for your help. What matters is, can you manage the situation quickly, in a right way. Can you save one’s life?

The excitement you have, among other bystanders’ eyes…this is out of a textbook. All of these are experiences that we have to learn and practice in real life and that opportunity is here. This year our theme is ultrasonography in emergency situation, which we simulate various situations in emergency medicine for you to practice, not only with multifunction models but also with real men.

Last but not least, we hope this competition will give your emergency medicine experiences, new knowledge and most important of all, gain you confidence in facing emergency situations.

Best wishes,
Praew Kotruchin, MD, PhD Candidate. Lecturer of Emergency Medicine and cardiologist
Dear participants,

It's a great pleasure to inform you that we will hold one of the most challenging emergency medicine competition, 5th KKU ICEM 2020, in the upcoming year. KKU ICEM has been held for a long time in order to raise the importance of emergency medicine.

This year, we would like to invite you all to attend the 5th KKU ICEM 2020 once again. But this year will never be the same because we will provide you with a new theme for our participants who seek for new challenges in emergency medicine which is all about ultrasound in emergency medicine. Each of you will have to learn much more about how to utilise ultrasound in diagnosing emergency conditions. Not only that, in order to put ultrasound into practical use, We will provide you with an ultrasound workshop which will aid you a lot if you have a hard time with ultrasound.

Finally, we are looking forward to you participating in the 5th KKU ICEM 2020 and hope you will have a really good time in Khon Kaen University.

Best wishes,
Waranon Munkong, MD.
Assistant to the Dean for Student Affairs.
Emergency medicine is one of the vital skills for every physician to ensure patient survival in emergency situations like accidents, mass casualty incident or disaster.

To our dearest delegates, medical student friends and honorable professors, around the world. It is our pleasure to announce that KKU ICEM 2020 will be held in Khon Kaen, Thailand. We are looking forward to welcoming you to unite with us and be part of our family this coming year. KKU ICEM 2020 will provide you with essential knowledge and intensive competition for you to challenge yourself and compete with others to become the best in emergency medicine. Moreover, the delightful Thai culture, cultural exchange and creative activities will overwhelm you with joy and memorable moments together with your medical student friends from all over the world.

This package contains a brief summary of competition rules, schedule and event. All food and transportation in Khon Kaen will be provided by the organizing team.

Join us and witness the most memorable experience together in KKU ICEM 2020

Patarachai Sereerat
President of KKU ICEM 2020
WHAT WILL YOU GET TO DO IN KKU ICEM

DAY 1
Warm Welcome Party in the Evening

DAY 2
Qualifying round
Get to know Thai Culture & Festival at “Thai Fun Fair”
Delicious food at the Walking Street at dinner time

DAY 3
The Emergency Medical Workshop by our dedicated professors
The KKU ICEM Trip - choose from our exclusive activities

Let’s make this ICEM MEMORABLE together

DAY 4
The Stage Rounds & Awarding Ceremony
Closing Ceremony
A NEW SESSION FOR ADVISORS

1st Meeting on Exchanging knowledge and expertise in Emergency Medicine: International best practice in emergency room

Professors are invited to bring your best practice in emergency room to the world in our first parallel international meeting session. As an oral communication, in your preferred presentation platform. We are looking forward to your eye-opening talk.
Registration Timeline

Early bird registration
15th October 2019 – 15th November 2019

Normal registration
16th November 2019 – 20th January 2020

Payment date
15th October 2019 – 31st January 2020

Team announcement
16th February 2020

KKU ICEM 2020 “Let’s begin”
27th March 2020 – 31st March 2020
Eligible participants

- ONLY Medical Students are eligible for the competition
- Pre-clinical or clinical medical years are allowed, but clinical years is preferred
- Other individuals can apply to be observers
- Each team consists of 4 medical students, 1 advisor is optional.
There is no limit to the number of teams applying from each medical school

Fee

- **Early bird** registration fee
  560 USD/17,000 THB
- **Normal** registration fee
  660 USD/20,000 THB
- **Observer** price
  310 USD/9,500 THB
**The exact price is based on Thai Baht.**

Registration Guidelines

Full registration guidelines will be added later on our website [www.kkuicem.com](http://www.kkuicem.com). The registration will also be there.

There will be 2 registration periods; **Early bird and Normal registration period.**

Registration fee includes the following

1. Hotel: 3 rooms, 2 students per room, 1 for advisor, 4 nights
   (27th March 2020 – 30th March 2020)
2. All meals and snacks
3. Transportation from Khon Kaen international airport to your accommodation and during all activities in Khon Kaen.
4. Many activities and workshops
   Including entrances fee for tourist attractions
Scope of the Competition

- The Aorta
- The Biliary System
- Kidney and Urinary Bladder
- The Heart
- Deep Venous Thrombosis
- Transabdominal OB-GYN Ultrasound
- The Ocular
- The Bowel
- Male genital system
- Soft tissue and Musculoskeletal System
- Thoracic cavity and Lung

Diagnostic Point of care Ultrasound in the following topic:

Clinical skills

Ultrasound guided procedure in paracentesis, pericardiocentesis, peripheral IV catheterization
Competition rules

ALL TEAMS
MCQ 50 QUESTIONS

INDIVIDUAL EXAM:
- MULTIPLE CHOICE QUESTIONS
- TOP 16 TEAMS WILL ADVANCE TO THE NEXT STAGE OF EXAMINATION

16 TEAMS

SEMIFINAL

8 TEAMS

3
2
3

8 TEAMS

3
3
3

RESUSCITATION
BLIND DEMONSTRATE ULTRASONOGRAPHY
ONE BEST TEAM WILL ADVANCE TO THE FINAL ROUND

1 TEAM

7 TEAMS

FINAL ROUND

- SHORT ANSWER QUESTIONS
- THE TOP 4 TEAMS WILL GET THE CHANCE TO COMPETE IN FINAL OSCE

4 TEAMS

FINAL OSCE

- SIMULATION CASE
- THE WINNER OF THE LAST 4 TEAMS WILL BE THE WINNER OF KKU ICEM 2020

THE WINNER

- Matthew Dawson, Mike Mallin. Introduction to Bedside Ultrasound: Volume 1&2 on Apple Books. 2013

- https://spocus.org/FOAMED

Introduction to POCUS volume 1

Introduction to POCUS volume 2

https://spocus.org/FOAMED

Prizes and rewards
There will be prizes for 1st to 3rd places in the KKU ICEM 2020