Pharmacy training at Mahidol University in COVID-19 period

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Outline

- Background: residency training in Thailand
- Training during COVID-19 period
- Experiences, management and suggestions

Background

- Residency training in Thailand
 - In the control of: The College of Pharmacotherapy of Thailand
 - 4-year training program
 - R1 internal medicine, training at Mahidol university hospital
 - R2-R3 following specialty, training at hospital following specialty
 - Fellowship research
 - Certificate
 - 1st year: General residency in Pharmacotherapy
 - 3rd year: Specialized residency inpharmacotherapy
 - 4th year: Specialized fellowship inpharmacotherapy
 - In all: Board Certified Pharmacotherapy Training Program (BCP)

Academic year calendar

- Academic year 2019
 - Started from August 2019 to July 2020
- 12 months training/1 academic year

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Covid-19 period

March 2020 – June 2020

July 2020-June 2021 July 2021-June 2022

•
$$R1 = 2$$

•
$$R2 = 8$$

•
$$R3 = 3$$

• Fellow =
$$3$$

•
$$R2 = 2$$

•
$$R3 = 8$$

$$\cdot R1 = 2$$

•
$$R3 = 2$$

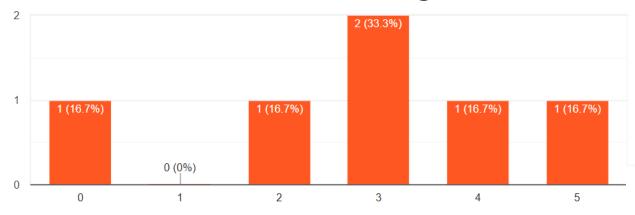
Specialty; cardiology, internal medicine, infectious disease, critical care, pediatric, oncology, geriatric

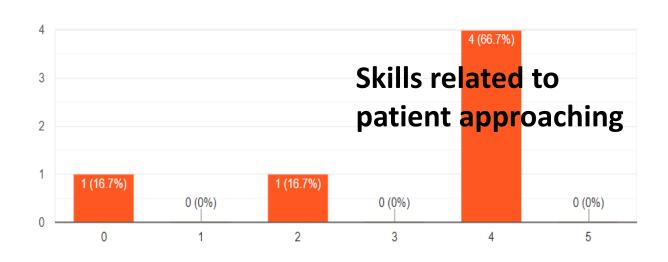
Academic year 2019 (March 2020 – July 2020)

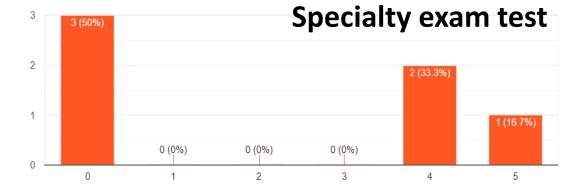
- Residency
 - R1 = 2, R2 = 8, R3 = 3, $\frac{\text{Fellow}}{3} = 3$
- 50% plan changed
 - Affect around 1-6 months
- What was changed?
 - From hospital training to home-based learning
 - Decreasing hours/days of being at hospital
 - From bedside round activities to online activities

Aspects from residents

Learning curve







Academic year 2020 (Aug 2020 – July 2021)

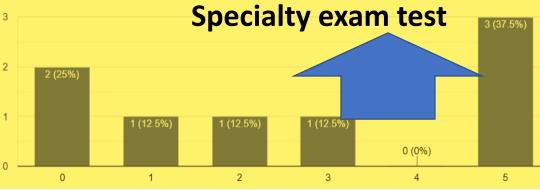
- Residency
 - R2 = 2, R3 = 8, Fellow = 3
- 50% plan changed
 - Affect around 1-3 months
- What was changed?
 - From hospital training to home-based learning
 - Decreasing hours/days of being at hospital
 - From bedside round activities to online activities
 - Decreasing patients in training sites

What happened?

- Unexpected covid-19 patients found during ward round
 - Training termination/ training was unexpectedly discontinued
 - Quarantine was needed
 - Wards were temporarily closing
 - Cases in wards were limited/ decreased
- Almost 100% of activities were online discussion

Aspects from residents





Academic year 2021 (June 2021 – now)

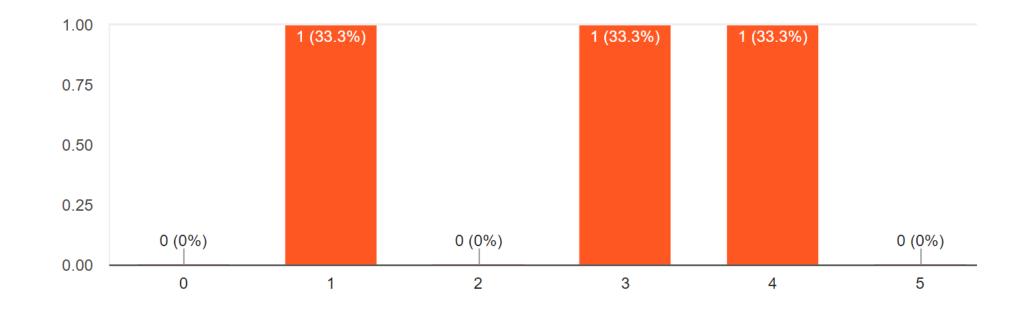
- Residency
 - R1 = 2, R3 = 2, Fellow = 8
- 25% plan changed
 - Affect around 1-3 months
- What was changed?
 - From hospital training to home-based learning
 - Decreasing hours/days of being at hospital
 - From bedside round activities to online activities
 - Decreasing patients in training sites

Aspects from residents

Skills related to patient approaching

Learning curve

Specialty exam test



Results: specialty exam test

- ✓ Paper-based examination
- ✓ Oral case examination
- ✓ Proposal defense
- √ Thesis defense



- Residency learning curve
- Decreased number of patients
- Decreased number of wards

- Research aspects
- More online activities
- Fast and easier communications between healthcare providers by using technology/ not face-toface approach

