

# BUILDING AND REFINING THAT PERFECT CURRICULUM

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# HISTORY

- The Saudi Board of Emergency Medicine (SBEM) program is one of the largest program in the kingdom of Saudi Arabia.
- The first Emergency Medicine program began October 2001 by enrolling 4 residents and was mainly established at King Fahad National Guard Hospital, Riyadh.
- Now the Emergency Medicine program extends all over the kingdom, Includes even joint program with the Gulf Cooperation Council (GCC) countries
- In addition, the SBEM is one of the Saudi board that collaborate with the Omani Medical Specialty Board (OMSB) with respect to examination preparation and certification through the Saudi Commission for Health Specialties (SCFHS) examination department

# STRUCTURE OF TRAINING PROGRAM

- This is a structured four-year postgraduate training program in emergency medicine, which is divided into two parts:
    - junior residency (the first 2 years)
    - senior residency (the final 2 years)
  - The junior years are designed to provide training in the practice of core emergency medicine in emergency rotation
  - The senior residency years (R3 & R4) allocated to various subspecialties in emergency medicine in addition to approximately 7 rotations per year training in the ED
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# EMERGENCY MEDICINE CURRICULUM

R1		R2		R3		R4	
Rotation	Duration (Weeks)	Rotation	Duration (Weeks)	Rotation	Duration (Weeks)	Rotation	Duration (Weeks)
Emergency Medicine	28	Emergency Medicine	28	Emergency Medicine	28	Emergency Medicine	28
Anesthesia	4	Elective§	4	Pediatric ICU (PICU)	4	Pediatric Emergency Medicine	8
Obstetrics and Gynecology	4	ICU	8	EMS (prehospital care)	4	Community Emergency Medicine	4
Psychiatry	4	CCU1	4	Hajj EM	4	Elective§	12
Orthopedics	4	Pediatric Emergency Medicine	4	Research (if not taken earlier)/ Elective§	4		
Research / Elective§	4	Neuroscience	4	Pediatric Emergency Medicine	8		
Pediatric Emergency Medicine	4						

# STRUCTURE OF TRAINING PROGRAM

- Residents are required to
    - Complete the allocated rotations satisfactorily for a given year
    - pass the end-of-year evaluation exam (Unified Emergency Promotion Examination) to pass from academic year to the next
    - pass the PART 1 EXAM, to pass from junior to senior level
  - successful completion of all program requirements throughout the four-year training period and obtaining the Final In-Training Evaluation Report (FITER)
  - The resident will receive a training completion certificate issued by the regional supervising training committee
  - The candidate will then be eligible to undertake the Final Saudi Board Certification Examination in emergency medicine.
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# RESEARCH ARTICLE

- A Comparison between Emergency Medicine Residency Training Programs in the United States and Saudi Arabia from the Residents' Perception
  - Khaled Alghamdi, Abdulaziz Alburaih, and Mary Jo Wagner
  - Emergency Medicine Residency Program, Central Michigan University College of Medicine, Saginaw, MI, USA
  - Published 19 January 2014
  - cross-sectional, multi-institutional study,
    - Education
    - Clinical Skills
    - Work Environment

# CONCLUSION

- **US** trainees reported feeling **more competent** in managing multiple **traumas** and in certain **procedural skills** compared to **SA** trainees
  - **Saudi** residents **see more patients per hour** compared to US residents.
  - These findings may be due to the differences in **training techniques** including **less formal** didactics and **simulation experience** in SA and more duty hour regulations in the USA
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# US CURRICULUM

R1		R2		R3	
Rotation	Duration	Rotation	Duration	Rotation	Duration
ER	3	ER	7	ER	8
DENTAL/OPHTHA	1	Plastic surgery	1	Adminstration	1
ORTHO	1	ccu	1	MICU	1
IM ON CALL	1	elective	1	PED	1
TRUMA	1	PICU	1	elective	1
ANAS/ED US	1	EMS/RAD	1		
PED	1				
OB/GYN	1				
MICU	1				
neurosurgery/us	1				



# COMPARISON

SA

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# POTENTIAL ROTATION

- Trauma rotation
  - Neurosurgery rotation
  - Dental rotation
  - Ophthalmology rotation
  - Ultrasound rotation and curriculum
  - Emergency medicine administration
  - Simulation curriculum
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## Refining rotation

- Pediatric rotation ( less )
- Electives and research !!
- Community emergency medicine ?
- Hajj (more)
- Psychiatric ( remove)
- Neurosince ( remove)

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QUESTION

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