兒科EPAs分享

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如何評估EPAs

- □短暫任務執行觀察
- □個案討論
- □長期臨床行為觀察
- □成果評量

table 2

Ad Hoc and Summmative Entrustment Decisions

	Ad Hoc Entrustment Decisions	Summative Entrustment Decisions
When	Daily: on every ward or clinic in every clinical training institution	One-off recognition of ability, supplemented with permission to act unsupervised and a duty to contribute to care, for 1 unit of professional practice, at graduation standards level
Condition	Situation dependent— based on supervisor's judgment re: case, context, trainee's readiness	Trainee has passed the threshold of competence and trustworthiness for an EPA at the level of licensing; clinical oversight remains in place for trainees

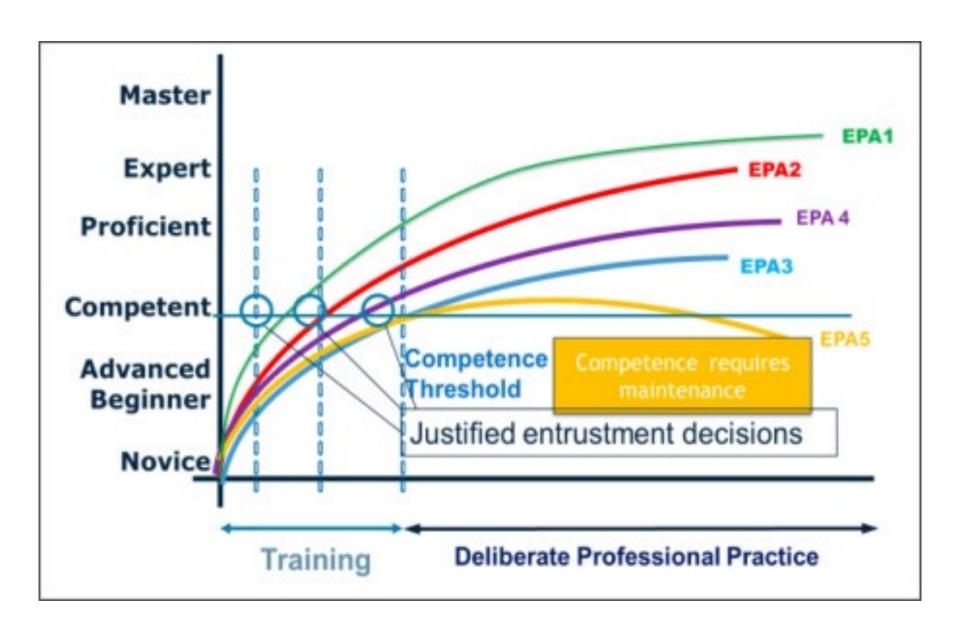
J Grad Med Educ. 2016 May; 8(2): 261-262.

TABLE 1.6

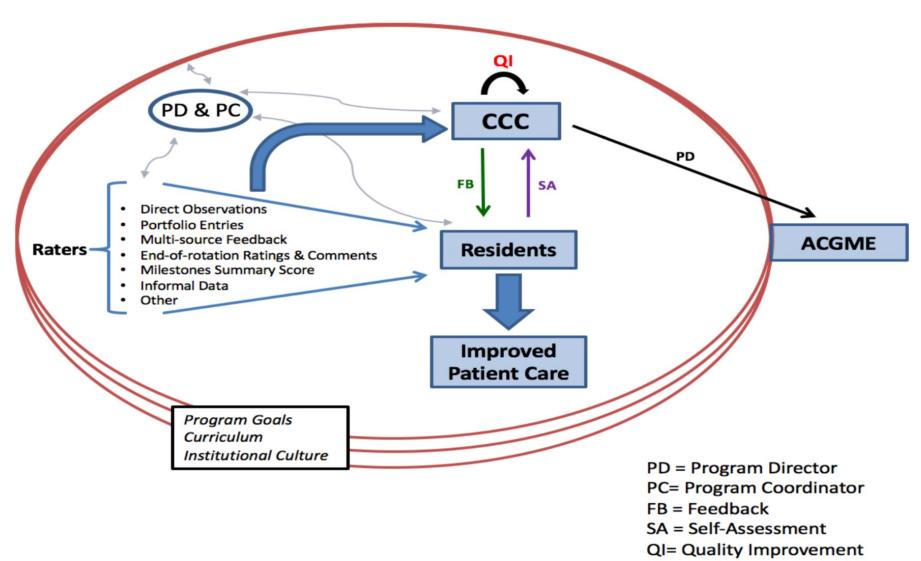
Sources of Information to Support Summative Entrustment Decisions

Sources	Examples
Knowledge testing	Written or e-tests, case-based discussions, observed teaching
Short practice observations	Mini-CEX, DOPS, handoffs, video, and other*
Long practice observations	Multisource feedback, review of shifts
Simulation tests	OSCE, OSATS,† standardized patient tests
Work product evaluation	EHR entries, presentations, papers, reports, event analysis
New York, Penguin Grou †Can also be used as a of DOPS, Direct observation record; mini-CEX, clinical	

Milestones	Teaching Methods	Major Rotation/ Learning Experiences (Goals)	Assessment Methods (e.g.) Direct Global Portfolio Chart Stim Recall MSF Stand. Patients (OSCE)		Stand. Patients (OSCE)	Questions & Realizations			
PC1 (Data gathering)	Bedside rounds	Wards Cont. clinic	X					x	
PC2 (mamt_plans)	Case vignettes				Х	X			What do we expect of interns vs. seniors?



Clinical Competency Committees (CCCs)







兒科PGY的EPA

The Pediatrics Milestone Project

A Joint Initiative of

The Accreditation Council for Graduate Medical Education and

The American Board of Pediatrics





The figure below presents an example set of milestones for one sub-competency in the same format as the milestone report work each reporting period, a resident's performance on the milestones for each sub-competency will be indicated by:

- selecting the level of milestones that best describes that resident's performance in relation to the milestones
 or
- selecting the "Not yet Assessable" response option. This option should be used only when a resident has not yet had a lear experience in the sub-competency.

Not yet Assessable	Level 1	Level 2	Level 3	Level 4	Level 5
	Unable to gain insight from encounters due to a lack of reflection on practice; does not understand the principles of quality improvement methodology or change management; is defensive when faced with data on performance improvement opportunities within one's practice	Able to gain insight from reflection on individual patient encounters, but potential improvements are limited by a lack of systematic improvement strategies and team approach; is dependent upon external prompts to define improvement opportunities at the population level	Able to gain insight for improvement opportunities from reflection on both individual patients and populations; grasps improvement methodologies enough to apply to populations; is still reliant on external prompts to inform and prioritize improvement opportunities at the population level	Able to use both individual encounters and population data to drive improvement using improvement methodology; analyzes one's own data on a continuous basis, without reliance on external forces, to prioritize improvement efforts, and uses that analysis in an iterative process for improvement; is able to lead a team in improvement	In addition to demonstrating conti improvement activit appropriately utilizin quality improvement methodologies, thin acts systemically to tuse one's own succe benefit other practic systems, or populati open to analysis that times requires cours correction to optimiz improvement
Comments:					
level	cting a response box in the m implies that milestones in the	nat level and	13-23-3 HOVE 13-2	g a response box on the li	

demonstrated.

substantially demonstrated as well as some mileston

in the higher level(s).

From milestone

Patient Care & (PC7) 病人動向(Disposition)

運用可用資源,為病人擬定針對疾病的衛教、會診及藥物等治療計畫,並告知後續治療之時間與場所。

Has not Achieved Level 1	Level 1	Level 2	Level 3	Level 4	Level 5			
	描述急診病人照顧可用之基本資源。	運用適當資源,對常見 急診主訴(ED complaints) 訂出特定 追蹤計畫。	對其計的 及(如師 正或 正層病區)。 為療診 對其計斷的 及(如師 在或 正層病區)。 為療診 對方衛 等主管 病。 人、續 所以 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一	畫或離院衛教。 讓病人/照顧者(家屬)一 同參與急診出院準備計	開發或改善醫院相關系統,讓實際,來促進病人數學不能與一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個一個			
建 議:	建 議:							

Curricular Components for General Pediatrics EPA 4

-		
1.	EPA Title	Manage patients with acute, common diagnoses in an
_		
2.	Description of the activity	ambulatory, emergency, or inpatient setting The ability to manage pediatric patients who present with common acute illnesses is a key activity of a pediatrician. The scope of practice includes well children and children with chronic underlying disease who present with an acute illness. The specific functions which define this EPA include: • Assessing the severity of illness and using judgment as to whether or not immediate or emergency actions, stabilization, or transfer to a higher acuity facility are necessary for treatment of urgent or life-threatening problems • Gathering essential information through history, physical examination and initial laboratory evaluation • Engaging in sound clinical reasoning that drives the development of an appropriate differential diagnosis to allow the indicated diagnostic tests to be performed • Knowing or acquiring knowledge of the evidence related to the primary problem and applying the evidence to the patient's care in developing a diagnostic work-up and plans for management and follow-up • Placing the patient at the center of all management decisions to provide patient and family centered care by engaging in bidirectional communication with patients and families
		 Communicating and documenting the therapeutic plan
		and clinical reasoning in a manner that is transparent to
	1	all members of the health care team
3.	Judicious mapping	_X_ Patient Care
	to domains of	_X_ Medical Knowledge
	competence	Practice-based Learning and Improvement _X_ Interpersonal & Communication Skills
		Systems-based Practice
		Personal & Professional Development
4	Competencies	PC 1: Gathering information
7.	within each domain	PC 5: Performing complete physical exams
	critical to	PC 6: Using optimal clinical judgment
	entrustment	PC 7: Developing management plans
	decisions	MK 2: Practicing EBM
		ICS 1: Communicating with patients/families
		ICS 6: Maintaining medical records
5.	Curricular Component	ts that support the functions of the EPA (knowledge, skills and

美國小兒科醫學會EPAs

attitudes needed to execute this EPA safely):

Rationale: Pediatricians spend a large proportion of their time caring for patients with common acute problems. Pediatricians must be able to recognize and manage common acute pediatric problems, as well as provide counseling and education to patients and families.

Scope of Practice: This document is intended to address the scope of practice of a pediatrician with access to support from subspecialists and the ability to transfer patients to higher acuity facilities. It focuses on those common acute problems that a pediatrician would routinely identify and manage. Inherent in this scope of practice is the pediatrician's recognition of his/her personal limitations in knowledge and skills, leading to referral or help-seeking from colleagues when problems become complicated or are beyond the limits of the generalist.

Common acute conditions occur in pediatric patients of all ages. The care of these patients occurs in a variety of settings: inpatient, outpatient clinic, urgent care centers, and the emergency department. The scope of practice will change with the type of setting a pediatrician works in. Some pediatricians may work in both inpatient and outpatient settings, including seeing patients in the emergency department. They may be called upon to resuscitate, stabilize, manage, or transfer patients as part of their scope of practice. Other pediatricians in office-based settings may have solely an outpatient practice, and they may rely on Emergency Medicine providers (emergency rooms) to provide care for sicker patients.

Curricular components that support the functions of the EPA:

Assessing the severity of illness and using judgment as to whether or not immediate or emergency actions, stabilization, or transfer to a higher acuity facility are necessary for treatment of urgent or life-threatening problems

- Recognizes when a child's illness requires higher acuity care or exceeds the available level of expertise or resources.
- Initiates stabilization, resuscitation, and /or transfer of children, as appropriate.
 Depending on the practice site's availability of medical equipment and
 medications, this could include (but is not limited to) suctioning, supplemental
 oxygen use, bag-mask ventilation, intubation, initiation of respiratory support, chest
 compressions, bedside blood glucose and blood gas testing, placement of an
 intravenous line, splinting, placement of a cervical collar, use of emergency
 medications/fluids (e.g. epinephrine, antibiotics, fluids, or cardioversion).
- If medical supplies are available, may perform urgent procedures as indicated (e.g. lumbar puncture).

Gathering essential information through history, physical examination and initial laboratory evaluation

 Determines the child's severity of illness in context with the presenting complaints and decides whether a complete or problem-focused history and physical examination is appropriate.

- Interprets the history, physical exam, and laboratory findings (if obtained) in the context of the child's medical history and problem list.
- Distinguishes normal variations from abnormal symptoms or findings.

Engaging in sound clinical reasoning that drives the development of an appropriate differential diagnosis to allow the indicated diagnostic tests to be performed

- Synthesizes the patient's history and the physical examination into an appropriate differential diagnosis or unified diagnosis when possible.
- Uses judgment in ordering laboratory, radiologic, and ancillary tests to aid in diagnosis, and identify associated abnormal findings.
- Limits ordering tests in mildly ill children, if such tests are unlikely to aid in diagnosis, change management, or inform isolation or infection control decisions.
- Understands there is ambiguity in the etiology of some conditions; uses judgment
 in balancing the need (value) and desire to know the diagnosis with the cost and
 utility of tests.

Knowing or acquiring knowledge of the evidence related to the primary problem and applying the evidence to the patient's care in developing a diagnostic work-up and plans for management and follow-up

- Develops an appropriate clinical question to search for evidence based guidance or recommendations (e.g., PICO format).
- Locates medical literature or national guidelines (e.g. AAP guidelines) that are
 pertinent to the question and applies/utilizes them to inform management plans.
- Initiates admission, subspecialty referral or transfer to higher level of care if needed.
- Assesses child's home environment, family's ability to care for the child, access to reliable transportation, and ability to obtain medications/medical equipment (insurance, ability to pay) in developing treatment, medication, and follow-up plans.
- Communicates with a specialist to develop a coordinated plan when evaluating
 patients with complex medical histories or underlying serious medical conditions
 that are managed by a specialist.
- Works within an interprofessional framework to arrange support services and equipment if needed (e.g. home health care, physical therapy, nebulizer, oxygen, wheelchair).

Placing the patient at the center of all management decisions to provide patient and family centered care by engaging in bidirectional communication with patients and families

- Uses medical interpreters for families with limited English proficiency, unless the pediatrician is fluent in the family's language and qualified to interpret.
- Counsels and educates the patient/family regarding the condition (e.g. etiology, expected course, etc.).
- Engages in collaborative communication with the patient/family to formulate a management plan.
- Gauges patient and family's understanding of the condition, treatment plan, and reasons to return for care.

· Elicits and discusses patient and family questions.

Communicating and documenting the therapeutic plan and clinical reasoning in a manner that is transparent to all members of the health care team

- Documents clinical encounters in the medical record in a timely fashion, including the assessment, diagnosis and management plan.
- Provides oral and/or written communication to the accepting physician for patients that are transferred to another facility, patients referred to consultants or allied health providers, or patients discharged from an emergency room or inpatient setting to a community provider.
- Ensures complete handoffs using a standardized template when patients are transitioning from one care provider to another such as occurs when physician coverage changes due to call shifts in the inpatient ward or emergency department.
- Provides oral and written discharge instructions, to include follow-up instructions, to patients and families at discharge or the end of the encounter.

Examples of problems **generally** within the scope of pediatric practice (based on prevalence and potential morbidity) where the role of the generalist is to recognize, evaluate and treat (this list is not all inclusive):

- · Abdominal pain
- · Asthma exacerbation/wheezing
- · Acute otitis media
- Adenopathy
- Allergic Disorders (allergic rhinitis, atopic dermatitis, contact dermatitis, drug rash, urticaria)
- Acute Behavioral problems (e.g. excessive crying, sleep disturbances)
- Constipation
- Cough
- Dehydration
- Diabetic ketoacidosis (uncomplicated and responsive to therapy)
- Diarrhea
- Febrile illnesses
- Febrile seizures
- · Fever in a neonate
- Gastrointestinal infections
- Gastrointestinal reflux
- Headache
- Limp
- Medication adverse effects (e.g. Clostridium difficile infection, rash)
- Musculoskeletal pain
- Pharvngitis
- Rash
- Sexually transmitted infections
- Sinusitis

- Skin and soft tissue infections (e.g. boils, cellulitis, impetigo, scabies)
- Trauma- mild to moderate (e.g. concussion, strain, sprain, bite, sting)
- Upper and lower respiratory infections (e.g. bronchiolitis, pneumonia)
- Urinary tract infections
- Viral syndromes

Examples of problems that **generally** require consultation where the role of the generalist is to recognize, provide preliminary evaluation and refer. This list depends greatly on the context in which one practices. Those generalists practicing in areas where access to subspecialists is difficult will likely provide more of the care and may do so with telephone advice from a trusted subspecialist as needed (this list is not all inclusive):

- · Acute abdomen (e.g. appendicitis)
- Anaphylaxis
- Child Abuse (physical/sexual)
- Complicated lacerations (e.g. laceration of vermillion border, laceration associated with tendon injury)
- Displaced fractures
- Foreign body aspiration
- Hernia
- Serious or life threatening infections (e.g. malaria, meningococcemia, neonatal HSV infection, pneumonia with empyema, osteomyelitis, septic arthritis, toxic shock syndrome)
- Ingestions
- Major trauma
- Meningitis (bacterial)
- Oncologic conditions
- Pyloric stenosis
- Renal insufficiency/failure (e.g. Hemolytic uremic syndrome, interstitial nephritis)
- Rheumatologic conditions (e.g. juvenile idiopathic arthritis)
- Severe asthma exacerbation
- Severe diabetic ketoacidosis
- Status epilepticus/recurrent seizures/afebrile seizures
- Suicidal ideation

Milestones

兒科專科醫師訓練課程基準(修正版)

- ◆ 本課程訓練完成所需時間為3年
- 考核標準(方法):1、由指導之主治醫師予以考核 2、學習護照
- 訓練計畫涵蓋下列內容:
 - 1、專業素養與態度
 - 2、兒童操作型技術
 - 3、健康諮詢
 - 4、成長
 - 5、發展
 - 6、行為問題
 - 7、營養
 - 8、意外傷害及中毒的處置
 - 9、青春期
 - 10、周產期嬰兒與新生兒

- 11、兒童遺傳科(醫學遺傳學與畸形學)
- 12、常見之兒童急症
- 13、常見兒科慢性病症與失能
- 14、處方
- 15、水分與電解質輸液治療
- 16、兒童虐待
- 17、社區照顧者任務

健康諮詢 HEALTH SUPERVISION

Milestones

項目	PGY 以下	R1	R2	R3
健兒門診	▶ 可以正確說出健兒	▶ 可以提供父母完整	> 可以適時且正確地	> 可以教導及協助
	門診的服務重點	的健兒門診服務	提醒父母及兒童應	年輕醫師參與健
		(包括:正確教導父	接受的口腔及視力	兒門診的服務
		母使用健兒手冊)	篩檢	▶ 可以依據現行健保
			520010-200	體系提供的兒童健
				檢次數以及詳細內
生長發展評估	> 可以描述如何使用	> 有能力正確使用生	> 知道如何計算矯正	▶ 對於生長狀況不
	生長曲線圖	長圖分析兒童的成	年龄	如理想者可以正
	▶ 可以說出發展里程	長	▶ 能合併使用多項指	確提供父母相關
	碑中幾個重要的遲	▶ 能正確向父母或照	標正確監測孩童營	的處置建議
	緩表徵	顧者說明兒童的生	養狀態	> 對於懷疑發展遲
		長狀況	55	緩者可以提供正
				確的轉介及早期
				療育的建議
疫苗注射(Vaccination)	▶ 說出現行之疫苗注	▶ 可以正確提供父	▶ 正確說出早產兒或	> 能熟悉並解釋疫苗
	射計畫以及疫苗種	母有關施打疫苗	免疫缺損問題嬰幼	可以混合施打的項
	類	之重要性、疫苗副	兒的疫苗注射注意	目,以及是否會影
	▶ 能說出自費疫苗的	作用	事項	響單一疫苗的效價
	種類以及施打時程	> 可以正確回答家	> 能辨識各種疫苗施	▶ 可說出台灣在疫苗
	▶ 能說明各種疫苗之	長對於自費疫苗	打的禁忌。	施打後,對疾病預
	重要性與其副作用	使用的問題	▶ 提供未按時接種嬰	防的成果
			幼兒之「補接種」	▶ 可以具有對於現行
			建議。	的預防注射提出建
				議或批評的能力
				▶ 能教導並且協助實
				習或住院醫師疫苗
				基本觀念

常見之兒童急症 COMMON ACUTE PEDIATRIC ILLNESSES

項目	PGY 以下	R1	R2	R3
病史	A 能對罹患急性疾 病兒童收集病 史,並正確記錄			
檢驗	▶ 能判讀血球計數、正常血液抹片數、正常血球型態、尿液常規、生化值含黃疸值、脊髓液檢驗值	▶ 能依病情需要開立 常見疾病必要之檢 驗,並判讀實驗數據 之意義	▶ 能整合病史與檢驗 結果,分析個案▶ 能快速判讀重症病 患之檢驗結果	
影像、心電圖、腦電圖	胸部及腹部 X 光 典型影像	➤ 能判讀課程內疾病 的胸部及腹部X光 典型影像 ➤ 能判讀 VT 及 PSVT 的心電圖變化	➤ 能執行心臟超音波 之 M mode 計算 ejection fraction 並檢 視 4 chamber view ➤ 肋膜及腹膜積水判讀 ➤ 能以超音波診斷腹 腔及胸腔內積水	△ 會判讀胸部及腹部 CT 影像 △ 能判讀常見心律不 整的心電圖變化 △ 小兒科腦部超音波 、腎臟超音波之判 讀

1 -d 1 -			
身體檢查	> 能分辨異常呼吸		▶ 能正確執行叩診 ▶ 能夠依病人的年齡
	音		能熟練兒科神經學 不同,解釋不同疾
	> 知道呼吸窘迫的	guarding · rebounding	檢查 病的理學檢查表現
	症狀	pain psoas sign obturator	能判別各種皮疹 及評估方向。
	> 知道休克的症狀	sign以及腹部有無腫	
	> 知道意識改變的	塊,肝脾有無腫大等	
	評估	▶ 能區別功能性或病	
	> 能明確描述皮膚	理性心雜音	
	疹之分布與型態 >	▶ 能辨識異常淋巴結	
	▶ 能辨識瘀青、出	腫大	
	血點及紫斑	▶ 能對扁桃腺化膿作	
		鑑別診斷	
		▶ 能對口腔潰瘍作鑑	
		別診斷	
診斷與處置決定	> 知道各年齡層急	能初步鑑定發燒原	▶ 加強兒科急診及加 ▶ 能診斷及處理下述
ACTION AND AND ACTION A	性腹痛的常見原	因, 可以適當處理	護病房訓練,對兒科 急症
	因,並能處理因	兒童發燒問題	之各種緊急病況之 > 致死性之心律不整
	急性腸胃炎引起	▶ 可以經由腹痛的位	鑑別及處理,培養獨 > 呼吸衰竭
	之嘔吐及腹瀉。	置,鑑別診斷腹痛之	立訓練及正確緊急 > 心臟衰竭
	> 知道各年齡層急	原因,並適當處理兒	處理力,如氣管內管 > 糖尿病併酮酸血症
	性下呼吸道疾	童腹痛問題	置放、血管通路設 > 腎臟衰竭
	病,如細支氣管發	> 判斷脫水程度,對脫	置、緊急輸液、胸部
	炎及肺炎的常見	水兒童輸液的正確	按壓等
	原因及處理方式	使用法	
	> 了解發燒的的定	0.0000000000000000000000000000000000000	
	義、機轉及退燒		
	藥使用原則		
	> 知道氣喘的定義		
	▶ 可以判斷感冒可能		
	出現的表徵,並能		
	與A群鏈球菌作鑑		
	別診斷,可予以適		
	當處理		
	> 知道兒童藥物使		
	用原則,劑量換算		
	> 知道兒童尿道感		
	染常見的原因		
相關章節: 操作型技術			l .

Milestones

美國兒科醫學會 AAP EPA 18 項

- 1. Provide consultation to other health care providers caring for children
- 2. Provide recommended pediatric health screening
- 3. Care for the well newborn (台兒10)~
- 4. Manage patients with acute, common diagnoses in an ambulatory, emergency, or inpatient setting (台兒12)
- 5. Provide a medical home for well children of all ages. (Entrustment decisions for this EPA may require stratification by age group)
- 6. Provide a medical home for patients with complex, chronic, or special health care needs. (Entrustment decisions for this EPA may require stratification by age group) (台兒 13)
- 7. Recognize, provide initial management and refer patients presenting with surgical problems ·
- 8. Facilitate the transition from pediatric to adult health care (台兒9)
- 9. Assess and manage patients with common behavior/mental health problems (台見6)
- 10. Resuscitate, initiate stabilization of the patient and then triage to align care with severity of illness (Entrustment decisions for this EPA may require stratification by two age groups: neonate and non-neonate)

兒科醫學會核心課程↩

- 1、專業素養與態度←
- 2、兒童操作型技術(AAP·17)←
- 3、健康諮詢·(AAP·1)←
- 4、成長←
- 5、發展←
- 6、行為問題·(APP·9)~
- 7、營養←
- 8、意外傷害及中毒的處置↩
- 9、青春期·(AAP·8)←
- 10、周產期嬰兒與新生兒·(AAP·3)←
- 11、兒童遺傳科(醫學遺傳學與畸形學)~
- 12、常見之兒童急症· (AAP·4)←
- 13、常見兒科慢性病症與失能·(APP·13)←
- 14、處方←
- 15、水分與電解質輸液治療↔
- 16、兒童虐待↩
- 17、社區照顧者任務↔
- 4
- 11. Manage information from a variety of sources for both learning and application to patient care $\mbox{\ensuremath{\ensuremath{\wp}}}$
- 12. Refer patients who require consultation
- 13. Contribute to the fiscally sound and ethical management of a practice
- (e.g. through billing, scheduling, coding, and record keeping practices) $\stackrel{\ }{\leftarrow}$
- 14. Apply public health principles and quality improvement methods to improve care and safety for populations, communities, and systems
- 15. Lead an interprofessional health care team <
- 16. Facilitate handovers to another healthcare provider either within or across settings
- 17. Demonstrate competence in performing the common procedures of the general pediatrician (台兒)
- 18. Engage in mindful practice



兒科第一代工作坊

	林曉娟、王俊隆、湯仁彬、李倩瑜、邱郁
1.EPA Title	Manage patients with acute, common diagnoses in ar
	ambulatory, emergency, or inpatient setting
	Fever in neonate ←
2.Description of the	7天大足月男嬰,發燒一天39度,活力差呼吸
activity 🚭	喘,被家人送到醫學中心急診,哺餵母乳。媽
	媽有上呼吸道威染症狀。,
	於急診觀察時理學檢查耳溫為攝氏39.5度、呼
	吸每分鐘60次,心跳每分鐘170次,前囟門輕
	微膨出、頸部柔軟、四肢活動正常,根據以上
	主訴,最可能的診斷為何?你應建議進行何項
	檢查?如何與家屬衛教與說明檢查目的?。
	The specific functions which define this EPA
	include: -
	 Assessing the severity of illness and using
	judgment as to whether or not immediate or
	emergency actions, stabilization, or transfer to a
	higher acuity facility are necessary for treatmen
	of urgent or life-threatening problems »
	 Gathering essential information through
	history, physical examination and initial
	laboratory evaluation >
	 Engaging in sound clinical reasoning that
	drives the development of an appropriate
	differential diagnosis to allow the indicated
	diagnostic tests to be performed >
	 Knowing or acquiring knowledge of the
	evidence related to the primary problem and
	applying the evidence to the patient's care in
	developing a diagnostic work-up and plans for
	management and follow-up -
	 Placing the patient at the center of all

	therapeutic plan and clinical reasoning in a
	manner that is transparent to all members of
	the health care team >
	,
3.Link with Domains of	o_Patient Care
Competence 42	o Medical Knowledge
	Practice-based Learning and Improvement >
	o Interpersonal & Communication Skills
	Professionalism >
	Systems-based Practice -
	Personal & Professional Development←
ĘJ.	PC 1: Gathering information ←
	PC 5: Performing complete physical exams «
	PC 6: Using optimal clinical judgment «
	PC 7: Developing management plans
	MK 2: Practicing EBM ←
	ICS 1: Communicating with families
	ICS 6: Maintaining medical records €
5. Curricular Components t	hat support the functions of the EPA (knowledge, skills
and attitudes needed to exec	cute this EPA safely):
1.能對發燒新生兒的家屬收算	集病史,並正確記錄,
2.評估新生兒發燒原因與疾病	房嚴重程度,依病情嚴重程度決定轉送單位 ,
O At the will be do not be table to the	常規、生化值含黃疸值、脊髓液檢驗值。
 那似判讀皿來計數、尿液? 	
	典型影像 ,
 結依判讀皿來計數、尿液 知道常見疾病的胸部 X 光 能分辨異常呼吸音。 	典型影像。
4.知道常見疾病的胸部 X 光	典型影像。
4.知道常見疾病的胸部X光: 能分辨異常呼吸音。	典型影像 。
4.知道常見疾病的胸部 X 光: 能分辨異常呼吸音 , 知道呼吸窘迫的症狀。	典型影像 >
4.知道常見疾病的胸部 X 光。 能分辨異常呼吸音 , 知道呼吸窘迫的症狀 , 知道体克的症狀 。	
4.知道常見疾病的胸部 X 光 能分辨異常呼吸音。 知道呼吸窘迫的症狀。 知道休克的症狀。 知道意識改變的評估。	及退燒藥使用原則,
4.知道常見疾病的胸部 X 光。 能分辨異常呼吸音。 知道呼吸窘迫的症狀。 知道休克的症狀。 知道意識改變的評估。 5.了解發燒的的定義、機轉。	及退燒藥使用原則。 · 劑量換算。

兒科PGY EPA

一般醫學兒科訓練 EPA 評估表單-1(Ped EPA-1)

日期: 年 月	日 學員	:		教師:		
兒科組第個月: 第	□ 1個月	□ 2個月	□ 3個	月 🗆 4 1	個月	
1.主題:常見疾病入院 病人疾病: □ 肺炎或其 □ 腸病毒感 □ 其他(以	·他下呼吸注 染 □ 發	道感染 □ 焼		染 □ 急	性腸胃炎台	併脫水
2.情境說明:在新病人				[詢問、身別	體檢查到初	步處置與
病歷紀錄之執行。(使用		-		1 49 17 mls 1 -		
3.信賴等級(觀察學員後	(,下次遇		,時您認為」	比學貝勝任	之程度)	
信賴等級評估項目	未評估 (NA)	教師在 旁逐步 共同操 作	教師在 旁必要 時協助	後重點	必要時 知會教 師確認	獨立執行
整體任務						
4.參考項目						
(1)蒐集病史資料						
(2)身體診察						
(3)一般檢驗、檢查的						
安排與判讀						
(4)整合臨床所見排序 臨床鑑別診斷						
(5)建立醫囑						
(6)解釋病情與治療計 畫並取得知情同意						
(7)諮商衛教						
(8)病歷書寫						
5. 使用之方式(可複選) 6. 具體描述與回饋) □CbD □	直接觀察	於豫行為	□整體	觀察	

醫策會PGY訓練計畫導入之EPAs

3. 當下評估項目與信賴等級:

觀察學員此次之表現,類推至下次遇到類似情境時,您對其信賴之程度為何?

信賴等級評估項目	不足以評估/ 未評估(NA)	教師在旁逐 步共同操作	教師在旁必 要時協助	教師事後重點確認	必要時知會教師確認	獨立執行
學員信賴等級						

期待學員展現之信賴等級: 教師事後重點確認

結構化質性回饋:請就下列至少一個項目,說明您對此學員信賴或不信賴之理由。

(1)充分掌握病史	
(2)正確判讀數 據與檢查報告	
(3)清楚手術之 目的與挑戰	
(4)麻醉計畫之 合理性	

一般醫 學兒科

- EPA1:常見疾病入院 病人之診療。
- EPA2:在急診/門診進 行常見主訴看診。
- EPA3:住院中病人的 臨床照護。
- EPA4:兒童生長發育
 評估與預防保健諮詢。

- 1. 擬參採「急診醫學 4 個 EPAs 評估表單」,研擬適用一般醫 學兒科之 EPA 評估表單。
- 2. 評量考核方式及頻率:

No	評估方式	頻率
1	CbD	至少2次
2	EPA	4個 EPA 至 少各 1 次
3	360 度評量	至少2次

EPA?

執行説明

- □評估方式
- □表單説明
- □總結評估

• EPA1:常見疾病入院病人之診療。
• EPA3 在急診/門診進行常見主訴看診。
• EPA2 住院中病人的臨床照護。

• EPA4:兒童生長發育 評估與預防保健諮詢。

- 1. 擬參採「急診醫學 4 個 EPAs 評估表單」,研擬適用一般醫 學兒科之 EPA 評估表單。
- 2. 評量考核方式及頻率:

No	評估方式	頻率
1	CbD	至少2次
2	EPA	4個 EPA 至 少各 1 次
3	360 度評量	至少2次

彭純芝 2018.07

一般醫	學兒科訓	練 EPA i	評估表單-	-1(Ped EF	PA-1)			An 160	維白かか	IAL EDA.	- 江 儿 丰 昭	2/D- J EE		
日期: 年 月	日 學員	į:		教師:				一般酱	学兄科训	深 LPA	評估表單-	-2(Pea EP	(A-2)	
兒科組第個月: 第	□ 1個月	□ 2個月	月 □ 3個	月 🗆 4	個月			日期: 年 月 E		4 6 :		教師:		
1.主題:常見疾病入院						1.18.07.038.13.02		,						
病人疾病:□ 肺炎或其			〕泌尿道感	染 □ 急	性腸胃炎	合併脫水		兒科組第個月: 第□	1個月 [□ 2個月	□ 3個月	□ 4個,	月	
□腸病毒感		, .						1.主題:常見疾病住院	中之診療	(可複選))			
□其他(以					111 11 + -1 ·	de de met de		病人疾病:□ 肺炎或其	性他下呼吸:	道感染 □	〕泌尿道感	染 □ 急	性腸胃炎台	分併脫水
2.情境說明:在新病人 病歷紀錄之執行。(使用				(詢問、身	體檢查到初	步處直興		□ 腸病毒感	【染 □ 鬚	燒				
3.信賴等級(觀察學員後		1	/ - /	山學昌 118 石	ウ お 皮)			□ 其他(以	人核心課程:	項目為限)				
信賴等級		教師在						2.情境說明:對住院中	的應人進行	于每日的臨	床照護,整	全合資訊、	更新問題與	診斷,擬
18 17 1 10	未評估	旁逐步	教師在	教師事		獨立		定治療計劃,並且衛教	发解釋病情	。(使用限制	制:生命徵	象穩定之界	病人)	
	(NA)	共同操	旁必要	後重點	知會教	執行		3.信賴等級(觀察學員者	青診後,下	次遇到類似	以情境時您言	認為此學員	勝任之程月	支)
評估項目		作	時協助	確認	師確認			信賴等級		教師在	教師在	教師事	必要時	
整體任務									未評估	旁逐步	旁必要	後重點		獨立
								評估項目	(NA)	共同操	時協助	確認	師確認	執行
4.參考項目				,	,			0110-24.0		作	-			
(1)蒐集病史資料								整體任務						
(2)身體診察								4.回饋參考內容						
(3)一般檢驗、檢查的														
安排與判讀								(1)整合資訊進行再評估						
(4)整合臨床所見排序 臨床鑑別診斷								(2)更新診察與治療計劃						
(5)建立醫囑								(3) 解釋病情與治療計畫						
(6)解釋病情與治療計								並取得知情同意						
書並取得知情同意								(4) 諮商衛教						
(7)諮商衛教								(5)適時尋求資源或會診						
(8)病歷書寫								(6)判斷出院時機						
5. 使用之方式(可複選)	□CbD □	□ 直接觀察	察診療行為	□ 整體	觀察	-		(7)出院後追蹤計畫						
6. 具體描述與回饋								(8)病歷書寫						
								5. 使用之方式(可複選	CbD C	□直接觀察	家診療行為	□整體	觀察	
								6. 具體描述與回饋	,	32 13(1)(1)		311 / [11	,,,,,,	
								5 5 55 55 55 555 555						
							1 1							

i. en	. 687 do 41 1	14 ED (- 11 + 111	200 155										
一般醫	學兒科訓	練 EPA 7	評估表單-	-3(Ped EF	'A-3)			一般醫	學兒科訓	練 EPA	評估表單-	4(Ped EF	PA-4)	
日期: 年月日	3 4	4員:		教師:				日期: 年 月 日	4	學員:		教師:		
兒科組第個月: 第□	1個月 [□ 2個月	□ 3個月	□ 4個	月		9	兒科組第個月: 第□	1個月 [□ 2個月	□ 3個月	□ 4個	月	
1.主題:在門診或急診							Ī	1.主題:兒童生長發育	評估與預問	方保健諮詢	(可複選	星)		
病人主訴:□ 發燒 □			•	嗽/呼吸急	促 □黄	疸		兒童族群:□0~1歲大	□ 1~3	歲大 □ △	歲以上			
□ 其他(以				口站 从 住	畑しよ 明 4人 た	山山上西田		2.情境說明:對不同年	齡孩童進行	亍生長發育	評估、預防	方接種諮詢	。(使用限制	制:不限
2. 情境						初步處直		3.信賴等級(觀察學員看	診後,下		/情境時您	認為此學員	勝任之程	变)
3.信賴等級(觀察學員看		1			,	芰)		信賴等級		教師在	教師在	教師事	必要時	Jena s
信賴等級		教師在	教師在	教師事	必要時				未評估	旁逐步	旁必要	後重點	知會教	獨立
	未評估	旁逐步	教師任	後重點		獨立		評估項目	(NA)	共同操 作	時協助	確認	師確認	執行
評估項目	(NA)	共同操	時協助	確認	師確認	執行		-11.5 % -		TF				
可信與自		作	• • • • • • • • • • • • • • • • • • • •					整體任務						
整體任務								4.回饋參考內容						
4.回饋參考內容	82							(1) 能正確使用生長						
(1)初步辨識是否有危急								曲線並解釋生長狀況						
病況 (2)蒐集病史、身體診察資								(2) 能蒐集病史與診						
(4)鬼祟祸史、牙冠衫祭貝料								察資料判斷發展狀況						
(3)一般檢驗、檢查的安排								(3) 能衛教預防接種						
(4)整合臨床所見排序臨								時程與注意事項						
床鑑別診斷								(4) 能運用兒童健康						
(5)建立醫囑								手冊進行保健衛教 5. 使用之方式(可複選)		古拉納方	产 旅 佐 允 为	□ \$5 ELAb	納 穷	
(6)病歷寫作								6. 具體描述與回饋		」且按観為	《砂燉们局	□ 企版	机 然	
(7)解釋病情與治療計畫								0. 大胆相处共口頃						
並取得知情同意														
(8)諮商衛教														
5. 使用之方式(可複選) □CbD □] 直接觀察	尽診療行為	□整體	觀察									
6. 具體描述與回饋														
1						1	l l							

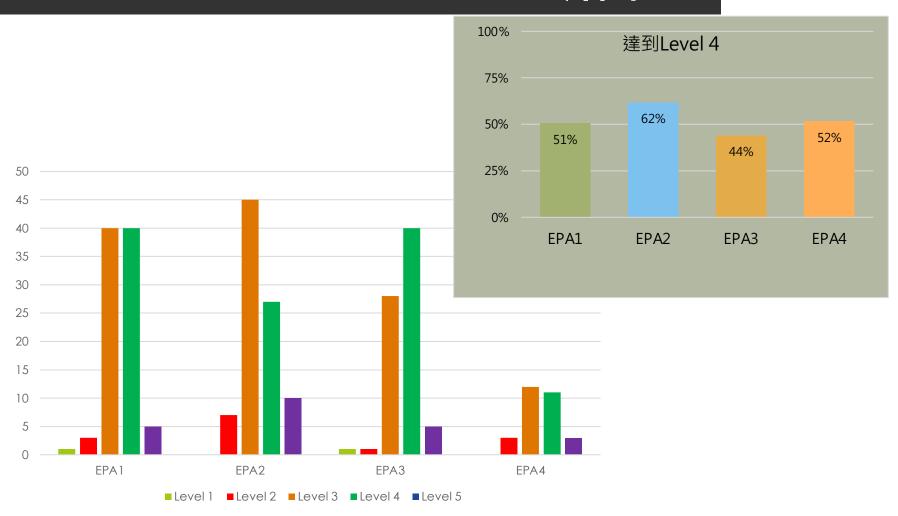
EPA執行注意事項

- □ 可自行設計執行時程
- □ 單一EPA可藉由CbD 、直接觀察診療行為 、 整體觀察
 - ✓ 直接觀察診療行為:MiniCEX或任何短暫任務執行觀察
- □ EPA-4不限於健兒門診,其他場域觀察亦可
- □ 各EPA至少被一位教師藉多元方法完整觀察並填一張表單

總結評估

- □ 時間:建議訓練結束前一週
- □ 成員:主席1名、其他成員至少2名(建議包含教學部主管、導師、臨床教師)
- □ 會議前準備資料:
 - ✓ 學員之各項評量表單
 - ✓ 護照、案例分析或其他作業
 - ✓ 學術活動出席狀況
- □ 會議中檢視資料、討論信賴等級、整體訓練結果是否通過、質性回饋
- □ 上傳資料,與學員回饋

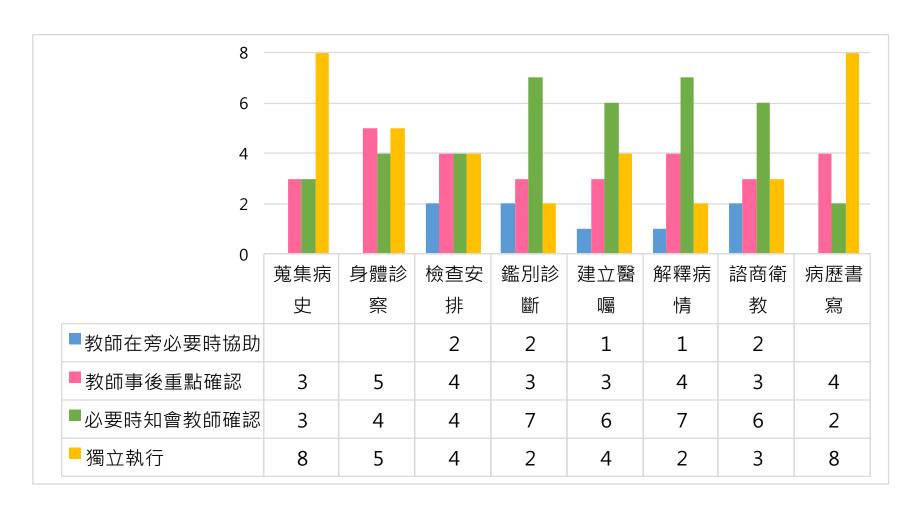
MMH 107~108 EPA結果



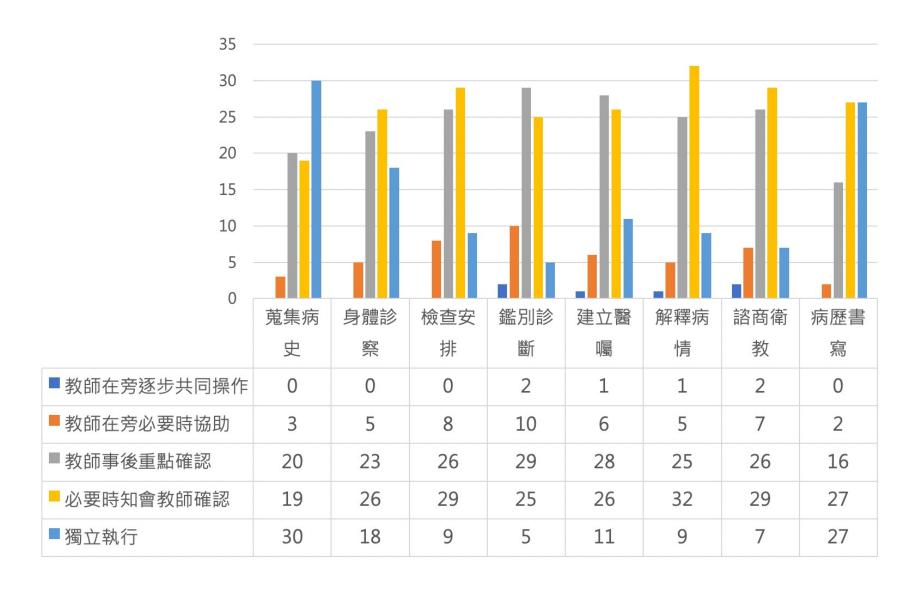
EPA 1

常見疾病入院之診療各項評估之信賴等級

年度	份數
107	14

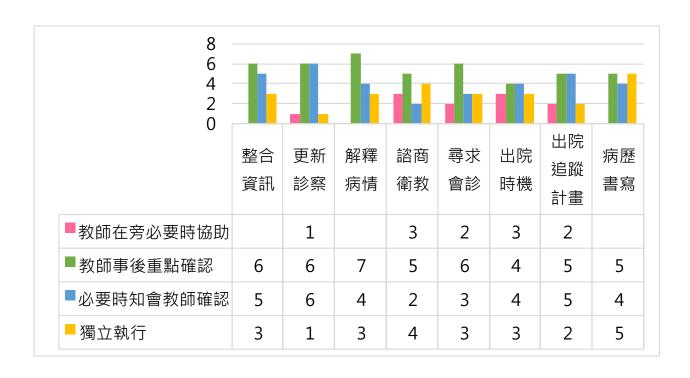


108年度 PGY EPA1信賴等級



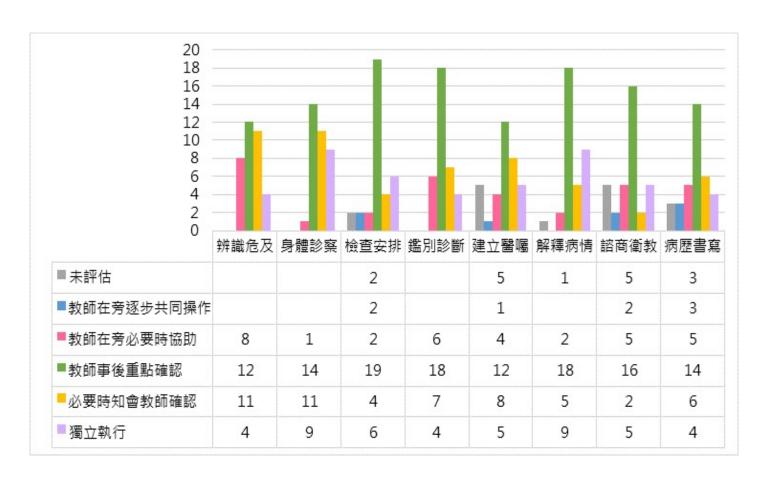
EPA 2 常見疾病住院中之診療各項評估之信賴等級

年度	份數
107	14



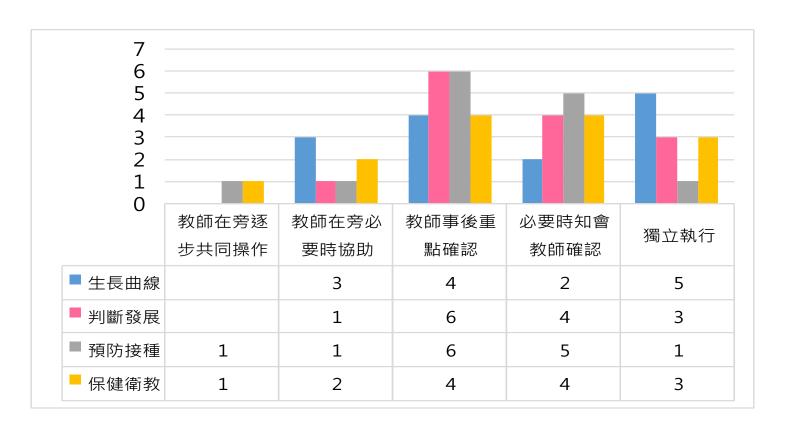
EPA 3 在門診或急診進行常見主訴之診療各項評估之信賴等級

年度	份數
107	35



EPA 4 兒童生長發育評估與預防保健諮詢各項評估之信賴等級

年度	份數
107	14



對象:

(三)試辦醫院收案情形

107 年度一年期 PGY 學員(107 年 8 月至 108 年 7 月間收案)。

序號	醫院名稱	兒科
1	長庚醫療財團法人林口長庚紀念醫院	22
2	臺北榮民總醫院	8
3	長庚醫療財團法人高雄長庚紀念醫院	9
4	台灣基督長老教會馬偕醫療財團法人馬偕紀念醫院	14
5	中國醫藥大學附設醫院	3
6	臺中榮民總醫院	6
7	高雄榮民總醫院	2
8	國立成功大學醫學院附設醫院	7
9	彰化基督教醫療財團法人彰化基督教醫院	2
10	三軍總醫院附設民眾診療服務處	2
11	奇美醫療財團法人奇美醫院	3
12	國泰醫療財團法人國泰綜合醫院	3
13	長庚醫療財團法人基隆長庚紀念醫院	3
14	新光醫療財團法人新光吳火獅紀念醫院	3
15	臺北市立萬芳醫院—委託財團法人臺北醫學大學辦理	1
16	長庚醫療財團法人嘉義長庚紀念醫院	2
17	義大醫療財團法人義大醫院	3
18	佛教慈濟醫療財團法人台北慈濟醫院	3
19	衛生福利部雙和醫院(委託臺北醫學大學興建經營)	2
20	童綜合醫療社團法人童綜合醫院	1
21	天主教耕莘醫療財團法人耕莘醫院	1
	總計	100

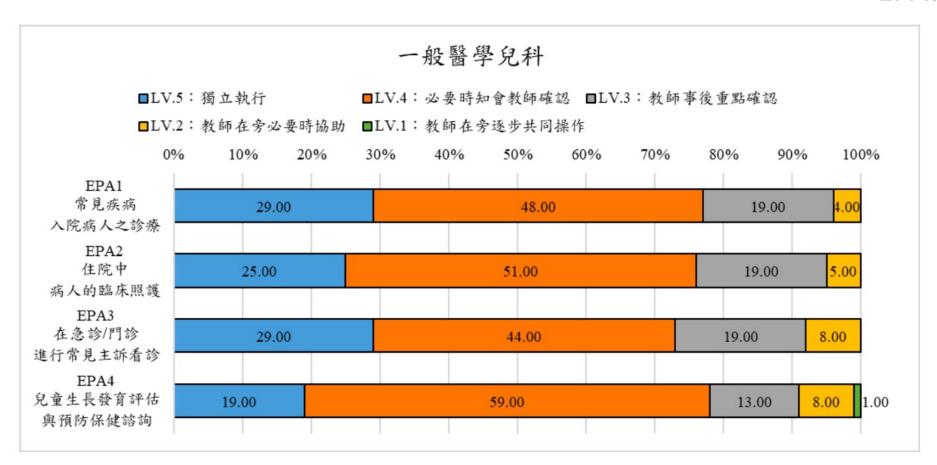
感謝衛生福利部提供資料

		信賴等級										整體訓練結果									
EPAs	LV.5		LV.4		LV.3		LV.2		LV.1		通	過	過 未通								
	人次	百分	人次	百分	人次	百分	人次	百分	人次	百分	人次	百分	人次	百分							
	八人	比	八人	比	八人	比	八人	比	八人	比	八人	比	八人	比							
EPA1:常見疾病入	29	29.00	48	48.00	19	19.00	4	4.00	0	0.00											
院病人之診療	29	29.00	40	40.00	19	19.00	7	4.00	U	0.00											
EPA2:住院中病人	25	25.00	51	51.00	19	19.00	5	5.00	0	0.00											
的臨床照護	23	23.00	31	31.00	19	19.00	3	3.00	U	0.00											
EPA3:在急診/門診	29	29.00	44	44.00	19	19.00	8	8.00	0	0.00	99	99.00	1.00	1.00							
進行常見主訴看診	29	29	29	29	29	29	29	29	29.00	44	44.00	19	19.00	0	8.00	U	0.00				
EPA4:兒童生長發																					
育評估與預防保健	19	19.00	59	59.00	13	13.00	8	8.00	1	1.00											
諮詢																					

註:LV.1:教師在旁逐步共同操作/LV.2:教師在旁必要時協助/LV.3:教師事後重點確認/LV.4:必要時知會教師確認/LV.5:獨立執行

感謝衛生福利部提供資料

EPA?



感謝衛生福利部提供資料

20190720 兒科醫學會 EPA教師共識會







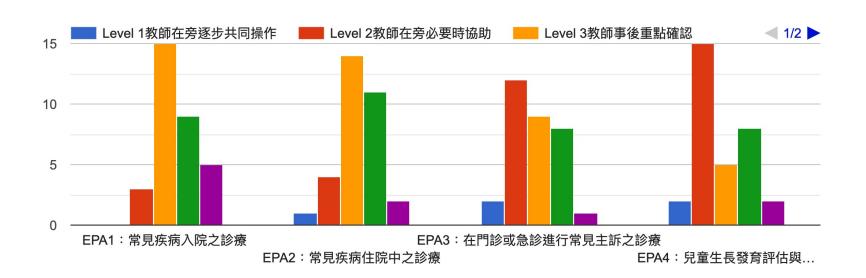






兒科醫學會問卷 EPA1~4 整體任務信賴等級(N=32)

您認為現行PGY EPA, PGY學員 達到的能力調查



兒科醫學會EPA工作坊

EPA	方案一	方案2
能力分級	1教師在旁逐步共同操作	1.可以說出操作內容
	2教師在旁必要時協助	2.在直接指導下可以操作
	3教師事後重點確認	3.可以在間接指導下操作
	4必要時知會教師確認	4.可以獨立操作,事後報備
	5獨立執行	5.可以指導其他資淺學員

兒科醫學會EPA工作坊

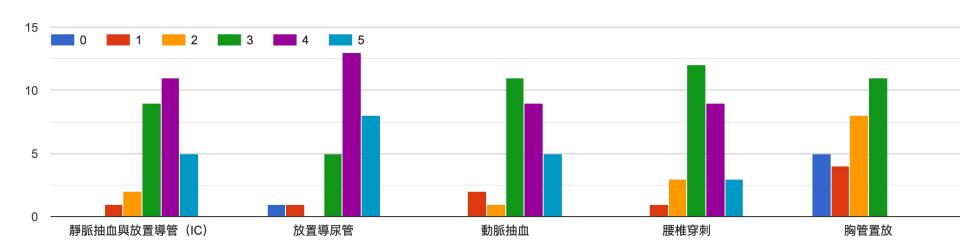
	EPA	方案一	方案2		
	能力分級	1教師在旁逐步共同操作	1.可以說出操作內容		
		2教師在旁必要時協助	2.在直接指導下可以操作		
	3教師事後重點確認		3.可以在間接指導下操作		
		4必要時知會教師確認	4.可以獨立操作,事後報備		
	5獨立執行		5.可以指導其他資淺學員		
ı					

填寫R1/PGY2訓練結束後應具備之適合等級,作為本會撰寫EPAs參考,以便推出適合兒科住院醫師訓練的評估方式(N=28)

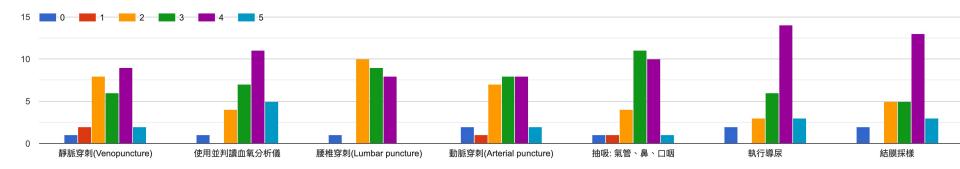
共識結果

- 1. 可說出操作內容
- 2.在直接指導下可以操作
- 3.可以在間接指導下操作
- 4.可以獨立執行,事後報備
- 5.可以指導其他資淺學員

一、兒童操作技術

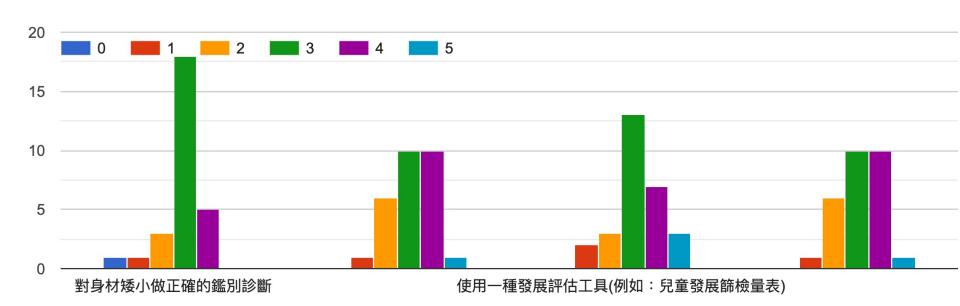


八、新生兒操作技術

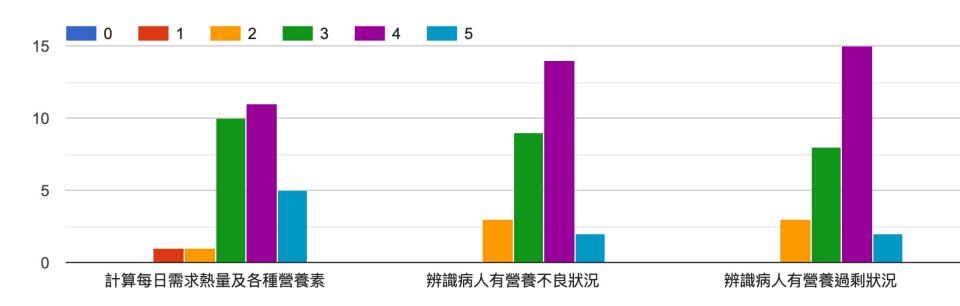


- 1。 對身材矮小做正確的鑑別診斷
- 2。 運用評估發展的四大項目Motor 、Adapti...
- 3。 使用一種發展評估工具(例如:兒童發展...
- 4。 操作兒童的基本神經學身體檢查





五、營養



- 4		
-	ь.	
	۲.	

↩	票數↩	PGY2 票選←	主題↩		
←	100%	<u>94.9%</u> ←	AAP4. Manage patients with acute, common diagnoses in an ambulatory, emergency, or inpatient setting (台兒 12		
			<u>常見之兒童急症</u>		
EPA1←	4	₹7	(PGY 試辦)常見疾病入院之診療□		
EPA2€	↩	←3	(PGY 試辦)常見疾病住院之診療		
EPA3←	4	4	(PGY 試辦)急診/門診常見主訴之診療□		
←	96.3%	23.1%←	台兒 16 兒童虐待 ←		
EPA4€	92.6%	35.9%←	AAP1. Provide consultation to other health care providers caring for children (台兒 3 健康諮詢)		
←	92.6%	<u>71.8%</u> ←	AAP3. Care for the well newborn (台兒10周產期嬰兒與新生兒)···		
€	92.6%	<u>43.6%</u> ←	AAP17. Demonstrate competence in performing the common procedures of the general pediatrician <u>(台兒2兒童操</u>		
11 11 1	11 11 1		<u>作型技術)</u> ←		
€3	88.9%	<u>48.7%</u> ←	台兒4成長&發展←		
4	85.2%	<u>43.6%</u> ←	AAP 10. Resuscitate, initiate stabilization of the patient and then triage to align care with severity of illness		
			(Entrustment decisions for this EPA may require stratification by two age groups: neonate and non-neonate)		
↩	81.5%	28.2%←	AAP 7. Recognize, provide initial management and refer patients presenting with surgical problems		
←2	70.4%	61.5%	台兒 15、水分與電解質輸液治療・		
↩	66.7%	7.7%	AAP 9. Assess and manage patients with common behavior/mental health problems (台兒 6 行為問題)		
4	63%	7.7%	台兒8、意外傷害及中毒的處置。		
↩	63%	23.1%←	AAP 6. Provide a medical home for patients with complex, chronic, or special health care needs. (Entrustment		
			decisions for this EPA may require stratification by age group) (台見 13 常見兒科慢性病症與失能) · ↩		
4	63%	12.5%	AAP 8. Facilitate the transition from pediatric to adult health care (台兒9青春期)		
4	59.3%←	17.9%	台兒 7、營養· ←		
4	59.3%	12.8%←	AAP 12. Refer patients who require consultation		
↩	55.6%	←	AAP 2. Provide recommended pediatric health screening		
		25.6%←	台兒 1、專業素養與態度・↩		

109年兒科醫學會公告PGY2的 6個EPAs

EPA1: 常見疾病住院之診療

EPA2:在門診或急診進行常見主訴之診療

EPA3:正常新生兒的照顧

EPA4:操作技術

EPA5: 水分與電解質輸液治療

EPA6:成長與發育

PGY2/R1 Ped EPA-3 (2020 版)

日期: 年 月 日 學員: 教師:

1.主題:正常新生兒的照顧						
2.情境說明:						
3.信賴等級(觀察學員看	診後,下	欠遇到類化	/情境時您記	忍為此學員	勝任之程歷	度)
信賴等級評估項目	未評估 (NA)	1.可以說出 操作內容	2.在直接指 導下可以 操作	5 5	4.可以獨立 執行,事後 報備	5.可以指導 其他資淺 學員
整體任務						
4.回饋參考內容						
(1) 能給予新生兒初步急救						
(2) 完整的新生兒身體檢查						
(3) 提供營養哺餵建議						
(4) 辨識在嬰兒室中, 那些 是有問題嬰兒的前期症 狀						
(5) 衛教家屬及給予諮詢						
(6) 能辨識非正常狀態						
5. 使用之方式(可複選) □CbD □ 直接觀察診療行為 □ 整體觀察						
6. 具體描述與回饋						



您的熱誠參與是最好的Feedback

