

## Questionnaire

Age		Degree of education		Job title	
Years of working experience at ICU:					
Grade of the hospital:					
Publishing scientific articles: <input type="checkbox"/> Yes(Field: _____ ) <input type="checkbox"/> No					
Application of new projects: <input type="checkbox"/> Yes(Field: _____ ) <input type="checkbox"/> No					
Promotion of job position: <input type="checkbox"/> head nurse <input type="checkbox"/> team leader <input type="checkbox"/> education secretary <input type="checkbox"/> clinic teacher <input type="checkbox"/> Others <input type="checkbox"/> No					
Salary increase: <input type="checkbox"/> Yes <input type="checkbox"/> No					
How do you think the training has improved you? (Choose 3 items at most)					
<input type="checkbox"/> professional knowledge <input type="checkbox"/> operating practice <input type="checkbox"/> clinical teaching <input type="checkbox"/> management ability <input type="checkbox"/> nursing research <input type="checkbox"/> interpersonal communication <input type="checkbox"/> independent thinking <input type="checkbox"/> learning skills					
Are you satisfied with the content of specialized nurse training?					
<input type="checkbox"/> Very satisfied <input type="checkbox"/> Satisfied <input type="checkbox"/> Generally not <input type="checkbox"/> Satisfied					
What do you think should be strengthened in the content of theoretical training courses? (multiple choices)					
<input type="checkbox"/> specialized knowledge <input type="checkbox"/> operating skills <input type="checkbox"/> teaching knowledge <input type="checkbox"/> scientific research design <input type="checkbox"/> communication <input type="checkbox"/> psychological support					
Your preferred teaching methods are (multiple choices) :					
<input type="checkbox"/> Traditional teaching method <input type="checkbox"/> Operating station method <input type="checkbox"/> Situational teaching method <input type="checkbox"/> Case discussion method <input type="checkbox"/> Exchange experience with experts					
Do you think the time allocation between theoretical study and clinical internship is reasonable?					
<input type="checkbox"/> Reasonable <input type="checkbox"/> Unreasonable					
If not, your suggestion:					

Please evaluate the necessity of the following courses:

1= very necessary 2= necessary 3= not necessary 4= indifferent

items	1	2	3	4	items	1	2	3	4
ICU nursing management					Sedative analgesic management				
ICU safety management					Hemodynamic monitoring				
ICU nurse education and training					Airway humidification				
ICU nurses' critical thinking training					Mechanical ventilation patterns and parameters				

Evidence-based nursing					Capacity management				
Literature retrieval					Nutritional support				
Research design and paper writing					Acute renal failure				
Statistics					CRRT management				
Stress management of ICU nurses					ECMO support				
ICU nurse-patient communication					NICU Specialist diseases				
ICU nosocomial infection					Perioperative nursing of children with congenital heart disease				
ICU pressure sore management					Neonatal surgical diseases				
Intravenous access nursing					Pain management				

## Clinical nurse specialists training program

Training Contents	Class hour
Cardiac arrhythmias in children	2
Introduction to electrocardiography	2
First aid and treatment of acute poisoning	2
Nutritional support for critically ill children	2
Nutritional assessment and nutritional risk screening in children	2
Nutritional management in children with short bowel disease	2
Application of sedative, analgesic and neuromuscular blocking drugs in critically ill children	2
Management of sedation and analgesia in critically ill children	2
Diagnosis and treatment of acute abdomen in children	2
Diabetes glycemc management and management of ketoacidosis	2
Clinical application of mechanical ventilation in children	2
New progress in the diagnosis and treatment of traumatic coagulopathy	2
Pediatrics Acute respiratory distress syndrome in children	2
Respiratory tract management in critically ill children	2
Oxygen therapy in critically ill children	2
Chronic lung disease	2
Lung diseases in children	2
New progress and nursing of septic shock treatment	2
Management of mild hypothermia therapy in children	2
Management of children with combined injuries	2
Emergency management of status asthmaticus in children	2
Emergency treatment of airway foreign bodies in children	2
Acute renal failure in children	2
Recognition and management of electrolyte disturbances	2
Emergency treatment of craniocerebral trauma in children	2
Identification and management of intracranial hypertension	2
New progress in the treatment of heart failure in children	2
Kawasaki Disease	1
Nutrition and feeding intolerance in premature infants	2
Necrotizing enterocolitis of the newborn	2
Hyaline membrane disease of the newborn	2
Persistent pulmonary hypertension of the newborn	2
Neonates Fluid characteristics and management of neonates	2
Diagnosis and treatment of congenital heart disease in neonates	2
Characteristics and preoperative preparation of neonatal abdominal surgery	2
Shock of the newborn	2
Target monitoring of infection in ICU	2

	Prevention and control of nosocomial infection in ICU	2
	Application and analysis of intravenous electrocardiogram in PICC tip location in neonates	2
	Nursing information and intelligent construction	2
	New progress in blood purification	2
	Management of children with blood purification	2
	Application of bone marrow aspiration technique	2
	Application of ECMO in critically ill children	2
	Application of pulmonary rehabilitation in children with respiratory diseases	2
	CPR for children and neonates	4
New technology and new progress	Nursing quality and safety management in ICU	2
	To explore the clinical application and standardized management of common catheters in PICU	4
	Principles of disinfection and sterilization of ICU pipelines	1
	PICC and CVC catheter positioning imaging	2
	Monitoring techniques for critically ill children	2
	Skin management in critically ill children	2
	Child Life in PICU	2
	Application and management of CPAP	2
	Evaluation of critically ill children	2
	Transport of critically ill children	2
	Literature search	2
	Evidence-based nursing	2
	How to write a case report	2
Nursing research and education	How to write the proposal	2
	How to select nursing research topics	2
	How to write a quantitative research report	2
	How to write a qualitative research report	2
	Application of statistical methods in nursing research	4
	Clinical teaching skills	2
	How to be a teacher	2
Examination	Theory test	2
	Operational test	4
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Clinical practice for 2 months		
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