

PRINCE SULTAN CARDIAC CENTRE

Dear Applicant,

The completed information below assists us in deciding what position/grade you may be offered. It is an expectation that all information you provide is true. If you are employed this information will be reassessed at commencement of contract. Lack of honesty will jeopardize your grade/contract.

I _____ hereby state the information provided in the following pages is my own knowledge and is true.

Signature of Applicant

Date

Apart from completing this Skills Checklist, please be aware that during orientation a short cardiac knowledge workbook will be given to you for completion. You may therefore wish to do some revision of cardiac anatomy and physiology, and cardiac care relevant to your area of work before you arrive in Saudi Arabia.

SKILLS CHECKLIST: ADULT CARDIAC SURGICAL INTENSIVE CARE UNIT (ACICU)					
NAME OF APPLICANT:			DATE:		
SKILL AREA	CURRENT EXPERIENCE		NOT EXPERIENCED	NEEDS REVIEW	COMMENTS (IF ANY)
	Within last 6 months	Within last 2 years			
I. KNOWLEDGE OF BASIC ECG INTERPRETATION:					
A. Identify components of ECG pattern (P, QRS, T)					
B. Identify dominant rhythm					
C. Determine atrial and ventricular configuration (P-R, QRS duration)					
D. Identify common dysrhythmias (atrial fibrillation or flutter, bradycardia, PVCs, junctional rhythm, V-tach and asystole)					
E. Rationale for drug therapy for dysrhythmias					
F. Correct lead placement for EKG and 12 lead					
II. HAEMODYNAMIC MONITORING:					
A. Arterial lines					
B. Pulmonary artery catheters					
C. Left atrial catheters					
D. Transducer care					
III. SKILLS OF EMERGENCY CARE INCLUDING:					
A. Basic Cardiac Life Support (BCLS) certification					
B. Advanced Cardiac Life Support (ACLS) certification					
C. Paediatric Advanced Life Support (PALS) certif.					
IV. KNOWLEDGE OF DEFIBRILLATION/CARDIOVERSION PROCEDURES INCLUDING:					
A. Set up for defibrillation/cardioversion					
B. Paddle placement					
C. Performs defibrillation/emergency cardioversion					
V. KNOWLEDGE OF OPEN CHEST PROCEDURE:					
A. Essential equipment/supplies used					
B. Steps to follow during open chest procedure					
VI. KNOWLEDGE OF TEMPORARY PACEMAKER INCLUDING:					
A. Set up and insertion of emergency pacemaker					
B. Cable/wire generator connections					
C. Changing batteries in pacemaker generator					
D. Function of each setting on pacemaker generator					

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E. Pacemaker function including failure to sense or failure to capture					
VII. INVASIVE HAEMODYNAMIC MONITORING SKILLS INCLUDING:					
A. Set up and assist with invasive lines					
B. Set up, level, zero and calibrate transducers					
C. Set up of line flush system					
D. Assist line insertion (Arterial, Pulmonary Artery, Central Venous)					
E. Identify normal pressure wave forms					
F. Identify and trouble shoot dampened/loss of wave					
G. Identify "normal" parameters (PA, PCWP, LA, CVP)					
H. Hazards of pressure monitoring					
VIII. MANAGEMENT OF CARDIAC OUTPUT (CO) BY THERMODILUTION INCLUDING:					
A. Obtaining accurate CO measurement					
B. Calculating systematic vascular resistance					
C. Calculating cardiac index					
Calculate rates, concentration & dosages for continuous vasoactive infusions (mcg/kg/min, mg/min, etc.)					
IX. CARDIOVASCULAR PHYSICAL ASSESSMENT SKILLS:					
A. Locates PMI (Apical pulse)					
B. Peripheral pulses					
C. Peripheral or sacral oedema					
D. Neck vein status					
E. Auscultation of heart sounds:					
• S1 and S2					
• S3 and S3 gallop					
• Pericardial friction rub					
• Murmurs					
• Pulsus paradoxus					
X. CARE OF THE POST SURGICAL CARDIOTHORACIC PATIENTS:					
A. Plan and provide nursing care for patients having the following surgical procedures:					
• Coronary artery bypass					
• Valve repair and replacement					
• Congenital cardiac repair					
• Cardiac transplant					
B. Plan and provide care of the paediatric post-surgery patient					
C. Identify signs & symptoms of pericardial tamponade					
D. Plan and provide nursing care of the patient following peripheral vascular surgery as follows:					
• Endarterectomy					
• Vascular bypass					
• Vascular grafts					
XI. ASSIST PHYSICIAN WITH:					
A. Pericardiocentesis					
B. Thorocentesis					
C. Peritoneal dialysis catheter insertion					
D. Intra-aortic Balloon Pump (IABP) insertion and management					
E. Left Ventricular Assist (LVAD)					

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XII. INTRA AORTIC BALLOON PUMP (IABP)

A. Have completed IABP training course					
B. Provides nursing care for the IABP patient					
C. Lists function of console					
D. Familiar with balloon troubleshooting					
E. Lists hazards of IABP therapy					

XIII. PULMONARY COMPONENT SKILLS:

A. Physical assessment skills					
B. Auscultation and identification of breath sounds (normal or abnormal)					
C. Bronchial, bronchovascular, vesicular breath sounds					
D. Diminished breath sounds					
E. Rales/rhonchi					
F. Wheezes					
G. Stridor					
H. Interpretation of arterial blood gases:					
• Acid based disturbances					
• Compensation					
• Chronic vs acute processes					
• Oxygenation					

XIV. PULMONARY COMPONENT SKILLS (CONTINUED)

I. Obtains blood samples taken from arterial pressure lines					
J. Provides nursing care for the patient requiring mechanical ventilation					
K. Aware of rationale for use of:					
• Peep					
• CPAP					
• Assist control					
• Pressure control					
• Pressure support					
L. Aware of potential complications of mechanical ventilator and other therapies (i.e. Peep etc.)					
M. Weaning from mechanical ventilator procedures					
N. Pulmonary drainage systems					
O. Set-up and maintenance of disposable thoracic drainage system					
P. Set-up and assist with tube insertion					
Q. Troubleshoots chest drainage system problems					
R. Identify air leaks					
S. Set-up and management of autotransfusion procedures					
T. Physical assessment skills					
U. Urinary output and laboratory monitoring					
V. Assist primary dialysis nurse in providing nursing care for patient receiving haemodialysis					
W. Familiarity with set-up and management of continuous veno haemofiltration (CVVH) procedures					
X. Familiarity with set-up and management of peritoneal dialysis procedures (PD)					

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XV. INTRAVENOUS THERAPY

A. Skilled in insertion and management of:					
• Peripheral intravenous catheters					
◆ Peripheral intravenous catheters (management only)					

XVI. PHARMACOLOGY COMPONENT

A. Familiar with the following drugs in relation to Indications, actions, doses, routes of administration, side effects and nursing implications:					
• Atropine					
• Lignocaine					
• Verapamil					
• Inderal					
• Digoxin					
• Dopamine					
• Dobutamine					
• Noradrenaline					
• Isuprel					
• Adrenaline					
• Calcium Chloride					
• Nipride					
• Nitroglycerin					
• Amiodarone					
• Esmolol					

XVII. KNOWLEDGE OF EQUIPMENT:

• HP Carevue 9000 charting					
• Servo ventilator					
• HP Merlin monitor					
• HP Codemaster defibrillator					
• Lifepak 10 monitor/defibrillator					
• Imed Gemini infusion pump					
• IVAC 770 syringe pump					
• Siemens pacemaker					
• Datascope IABP					
• Fenwal blood warmer					

LIST ANY OTHER CARDIAC SURGERY OR PATIENT CARE EXPERIENCE:

ADDITIONAL COMMENTS/QUESTIONS

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