



Competency/Skills Self-Appraisal: EKG Technician

Name _____

Date _____

Please check the column that applies to your skill level:
 3= Very Competent > 1yr Exp. 2=Some Help needed <1 yr. Exp. 1=Need Direction <6 months Exp. 0=Never Done

SKILLS	3	2	1	0	SKILLS	3	2	1	0
▪ BCLS Expires: _____					5. CARDIOVASCULAR SYSTEM KNOWLEDGE:				
▪ EKG Technician Date certified: _____					▪ Coronary circulation				
▪ Other Certification (specify): _____					▪ Vascular system				
▪ Computerized Charting System (specify) _____					▪ Conduction system				
1. AGE SPECIFIC PRACTICE CRITERIA:					▪ CHF				
▪ Newborn/Neonate (birth to 30 days)					▪ Ischemia				
▪ Infant (30 days to 1 year)					▪ Pulmonary Hypertension				
▪ Toddler (1 -3 years)					▪ Systemic hypertension				
▪ Preschooler (3-5 years)					▪ Diseases of the aorta				
▪ School Age Children (5-12 years)					6. ELECTROCARDIOGRAM:				
▪ Adolescent (12-18 years)					▪ Application of leads				
▪ Young Adults (18-39 years)					▪ Interpretation				
▪ Middle Adults (39-64 years)					▪ Monitoring				
▪ Geriatric (64 +)					▪ Arrhythmias				
2. EXPERIENCE WITH AGE GROUPS:					7. CARDIOVASCULAR ELECTROPHYSIOLOGY:				
▪ Able to adapt care to incorporate normal growth and development					▪ Cardiac cycle				
▪ Able to adapt method and terminology of patient instructions to their age, comprehension and maturity level					▪ Electrical conduction system				
▪ Ensures safe environment reflecting specific needs of various age groups					▪ Refractory				
3. EXPERIENCE IN SETTINGS:					▪ Transmembrane potential				
▪ Acute care hospital					▪ Polarization				
▪ Regional/Large hospital					▪ Depolarization				
▪ Outpatient					▪ Action Potential				
▪ Physician's office					▪ Phase 0 - Phase 4				
4. GENERAL SKILLS:					8. EKG INTERPRETATION:				
▪ Charting/Documentation/Consents/Care Plans					▪ Ventricular tachycardia				
▪ Confidentiality of Information/HIPAA					▪ Ventricular fibrillation				
▪ Ordering Supplies					▪ Atrial tachycardia				
▪ Universal Precautions/Infection Control Procedures					▪ Atrial fibrillation				
▪ Advance Directives					▪ Atrial flutter				
▪ JCAHO – National Patient Safety Guidelines					▪ Junctional escape rhythms				
▪ Vital Signs					▪ Asystole				
▪ Use of transfer/lift devices					▪ PEA – (pulseless electrical activity)				
▪ Pain management					▪ Normal sinus rhythm				
▪ Caregiver/Patient Education					▪ Sinus tachycardia				
▪ Emergency Procedures					▪ Sinus brachycardia				
▪ Normal lab values					▪ Acute myocardial infarction patterns				
▪ Pulse oximetry					▪ Cardiac pacemakers				
▪ Equipment QC					▪ Wolff-Parkinson-White				

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8. EKG INTERPRETATION CONTINUED:					▪ Dobutamine				
▪ First degree heart block					▪ Thallium				
▪ Second degree heart block					▪ Cardiolyte				
▪ Type I					13. HOLTER MONITORING:				
▪ Type II					▪ Preparation techniques				
9. EKG TECHNIQUES AND RECOGNITION:					▪ Lead placement				
▪ P,Q, R, S and T waves					▪ Interpretation				
▪ ECG measurement					▪ Recognition of artifact				
▪ Baseline values					14. OTHER:				
▪ Time heart rate					▪ Temporary pacemakers				
▪ Voltage					▪ Permanent pacemakers				
▪ Axis/hexaxial system					▪ Defibrillators				
▪ Intervals					▪ Event monitors				
▪ Segments					15. CARDIAC MEDICATIONS:				
▪ Complexes					▪ Antihypertensives				
▪ Normal and abnormal ST segment					▪ Nitrates				
10. RECOGNITION OF RECORDING ERRORS/ARTIFACTS:					▪ Calcium channel blockers				
▪ Incorrect standardization					▪ Beta blockers				
▪ Incorrect paper speed					▪ Cardiac glycosides				
▪ Lead reversals					▪ Antiarrhythmics				
▪ Incorrect lead placement					Emergency medications				
▪ Electrical; interference					▪ Epinephrine				
▪ Somatic tremor					▪ Atropine				
▪ Wandering baseline					▪ Verapamil				
11. ECG, HOLTER AND STRESS TESTING INSTRUMENTATION:					▪ Lidocaine				
▪ ECG Calibration methods					▪ Oxygen				
▪ Single channel					▪ Isuprel				
▪ Three channel					16. ECG LEADS:				
12. STRESS TEST TECHNIQUES AND CONTRAINDICATIONS:					▪ Bipolar leads				
Protocols					▪ Unipolar leads				
▪ Bruce					▪ Precordial leads				
▪ Modified Bruce					▪ Einthoven's triangle and law				
▪ Naughton					17. SKIN PREP:				
▪ Prep techniques					▪ Shaving				
▪ Test interpretation					▪ Alcohol prep				
▪ Calculation					▪ Diaphoretic patients				
▪ Double product					18. PHLEBOTOMY:				
▪ Bicycle procedure					▪ Butterfly stick				
Ergometers					▪ Vacutainer method				
▪ Arms					19. VITAL SIGNS:				
▪ Legs					▪ T/P/R				
▪ Treadmill					▪ Pulse oximetry				
Pharmacologic					▪ Auscultation				
▪ Dipryridamole					▪ Noninvasive blood pressure				