

THE GEORGE WASHINGTON UNIVERSITY HOSPITAL

EMPLOYEE NAME: _____
UNIT/DEPT: _____

HEC Approval: <u>S. Welch</u>
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Revision Date: 12/12/06 MHess
Reviewed: 8/12 MHess
Revision: 8/16 SWelch
Helpful Hints: Y

Temporary Pacemaker

Reviewer's Initials

Demonstrate safety procedures:

- Secure pacer box
- Secure transvenous pacer wires
- Secure epicardial pacing wires when not in use

Demonstrate pacing:

- Set Rate
- Discuss mA [output]
- Identify capture
- Define and set stimulation threshold
- Demonstrate corrective action for loss of capture:
 1. Pacer Related
 - * Increase mA [output]
 - * Replace low battery
 2. Wires: assess for loose connections or damaged wired
 3. Patient Related
 - Electrolyte imbalance / acidosis / ischemia / refractory tissue
 - Reposition patient onto side [transvenous wires not touching R Ventricle]
- Set AV interval
- Explain Sensitivity
 1. Asynchronous vs Demand
 2. Identify setting [0.5 mV] and danger of Oversensing
 3. Identify setting [20 mV] and danger of Undersensing
 4. Identify / Set asynchronous mode [DOO mode] and dangers
- Identify Atrial [Right] and Ventricular [Left] epicardial pacing wires [transthoracic]
- Change battery

**Demonstrate the setup of the following pacing modes.
Identify rhythms that can be successfully paced with mode.**

- Atrial pacing [AAI]
- Ventricular pacing [VVI]
- AV sequencing pacing [DDD]
- Rapid Atrial Pacing [burst]

Identify the following pacing rhythm strips:

- Atrial pacing
- Ventricular pacing
- AV sequential pacing
- Failure to capture
- Failure to sense
- Ventricular Fibrillation with Temporary Pacer

Reviewer's Signature: _____

Date: _____

Age Specific Considerations

Infant-School Age: N/A

Adolescent (13-17 yrs):

- Respect privacy and fear of embarrassment when assessing insertion site
- Explain procedure in clear and understandable language

Adult (18-65 yrs):

- Respect privacy and fear of embarrassment when assessing insertion site
- Explain procedure in clear and understandable language

Geriatric (66+):

- Secure PA catheter with paper tape to protect skin
- Explain procedure in clear and understandable language
- Use appropriate visual and hearing aids as necessary while explaining procedure