Introduction to 12 Lead ECG Interpretation
November 29, 2016
8:00 am – 5:00 pm
THC Conference Room 1
Tuality Healthcare Education Center, Hillsboro, OR

Program Description
You are experienced with interpreting the ECG rhythm the patient is displaying on the monitor, but how do you interpret the full 12-lead ECG? This rapidly moving course will explore 12-lead ECG interpretation beyond basic cardiac ECG rhythms. We will explore the advanced ECG concepts of bundle branch blocks, chamber enlargement, axis deviation, and ST-segment elevation, ST-segment depression and T-wave inversions. You will gain greater understanding of this valuable tool and use practical steps for analyzing a 12-lead ECG. This interactive course includes lecture, group participation, and skill acquisition exercises. Competency of basic cardiac ECG rhythm knowledge and identification is a mandatory prerequisite to this course.

Who Should Attend? Registered Nurses practicing in acute care environments (PCU/ICU/CCU/ED), telemetry/ECG technicians, emergency department technicians, ARNP’s and other Health Sciences Professionals wishing to acquire skills in interpreting 12 lead electrocardiograms.

Program Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:45 am - 8:00 am</td>
<td>Registration / Sign In</td>
</tr>
<tr>
<td>8:00 am - 9:20 am</td>
<td>Cardiac Physiology / Electrical Conduction / Leads</td>
</tr>
<tr>
<td>9:20 am - 9:30 am</td>
<td>Break</td>
</tr>
<tr>
<td>9:30 am - 11:00 am</td>
<td>Systematic Approach to the 12 Lead: Rate &amp; Rhythm, Bundle Branch Blocks, Chamber Enlargement, Axis Deviation</td>
</tr>
<tr>
<td>11:00 am - 11:10 am</td>
<td>Break</td>
</tr>
<tr>
<td>11:10 am - 12:05 pm</td>
<td>Systematic Approach to the 12 Lead: Ischemia, Injury and Infarction</td>
</tr>
<tr>
<td>12:05 pm - 1:00 pm</td>
<td>Lunch (on your own)</td>
</tr>
<tr>
<td>1:00 pm - 2:30 pm</td>
<td>5 Step ECG Analysis Practice</td>
</tr>
<tr>
<td>2:30 pm - 2:45 pm</td>
<td>Break</td>
</tr>
<tr>
<td>2:45 pm - 3:15 pm</td>
<td>Ghosts of the 12 Lead</td>
</tr>
<tr>
<td>3:15 pm - 4:30 pm</td>
<td>Identification in 60 seconds or less</td>
</tr>
<tr>
<td>4:30 pm - 5:00 pm</td>
<td>Q &amp; A / Online Evaluations</td>
</tr>
</tbody>
</table>

Thank you Tuality Healthcare for sponsoring this program

REGISTER at www.AcuteCareEd.com
Learning Outcomes: Introduction to 12 Lead ECG Interpretation will provide you the opportunity to practice skills to be able to perform the advanced skill of 12 lead ECG interpretation. At the conclusion of this educational activity, you will be able to:

- Define components which affect cardiac muscle contraction
- Correlate coronary blood flow with the appropriate ECG lead
- Describe cardiac electrical conduction
- Discuss how the 12-leads interpret the electrical conduction
- Calculate a rate and rhythm on a 12-lead ECG using a systematic method
- Distinguish between left and right bundle branch block pattern on a 12-lead ECG
- State the characteristics of chamber enlargement
- Classify an axis on a 12-lead ECG
- Identify ECG changes associated with ischemia
- Identify ECG changes associated with injury
- Identify ECG changes with infarction
- Practice analyzing a 12-lead ECG using a consistent identification method

Susan E. Thornton, MN, RN

Susan founded Acute Care Education to create an organization with integrity and honesty to deliver high quality evidence-based CNE. As a clinical educator, Susan’s twenty-four years of nursing knowledge covers a broad spectrum of clinical experiences including: acute care and critical care nursing in both RN and ACNP roles; clinical educator for LPN and RN’s; management positions within a variety of healthcare organizations, academia, and in business. Susan served in the United States Army Nurse Corps from 1991-1997. Her assignments included: Walter Reed Army Medical Center and Madigan Army Medical Center. Currently, she teaches advanced skills such as 12-lead ECG Interpretation and Lab Interpretation. Over the years, she has spoken on a variety of topics at the local and national levels. Susan holds a Master’s in Nursing as an Acute Care Nurse Practitioner from Washington State University–Vancouver and a Bachelor of Science in Nursing from Seattle Pacific University. She is a member of Sigma Theta Tau, Oregon Council of Healthcare Educators, and Northwest Staff Development Organization.

Accreditation Statement

Acute Care Education (PA-48/Nov/17) is an approved provider of continuing nursing education by the Washington State Nurses Association Continuing Nursing Education Approver (A-CNE), an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

This program will award 7.0 contact hours (including 0.2 pharmacology hours), to a learner who completes the Criteria for Successful Completion. Please see the requirements for this criteria on our website.

Registration Information

ONLINE REGISTRATION: by Friday, November 25, 2016
https://www.acutecareed.com/events/12-lead-ecg-20161129/

Registration Fee: $155.00

Registration includes: Attendance at program, downloadable program handouts and disclosures, ECG skills packet, snack and beverages.

Cancellation Policy: Attendee registration for an event may be cancelled by written request up to 10 days before the event for a full refund. No refunds will be issued for written cancellations received less than 10 days to the event. Please send all written cancellation requests to: Register@AcuteCareEd.com or Mail: Acute Care Education, 15640 NE Fourth Plain Blvd, Suite 106, #160, Vancouver, WA 98682. Questions: (971) 231-4413 or Register@AcuteCareEd.com

REGISTER at www.AcuteCareEd.com