

Vanderbilt University Medical Center
Emergency General Surgery Service
Surgical Residency Rotation and Curriculum

UNIT 20 RESEARCH AND BIOSTATISTICAL METHODS

UNIT OBJECTIVES:

1. Demonstrate an understanding of research principles and their application to the practice of general surgery.
2. Demonstrate knowledge about the use and application of study designs and statistical methods.
3. Demonstrate knowledge of the role of clinical databases in clinical research and patient care.
4. Demonstrate the ability to critically evaluate the information provided by drug companies and medical instrument and equipment manufacturers.

COMPETENCY-BASED KNOWLEDGE OBJECTIVES

COMPETENCY-BASED PERFORMANCE OBJECTIVES

1. Complete a literature review on a surgical topic using a computer bibliographic database such as MEDLINE.
2. Present a summary of the literature review, including a synthesis of the major findings and a recommendation for surgical practice.
3. Critically evaluate the articles found in the literature review using the following checklist: