|  |               |             |                                 | Milestone |                   |
|--|---------------|-------------|---------------------------------|-----------|-------------------|
| Procedure/Skills                           | Level of care | Supervision | Milestone                       | Level     | Competency        |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Arterial blood gas, draw and interpret     | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Arterial line placement                    | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Aspirations and injections, joint or bursa | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Cardioversion, emergent                    | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Central venous catheterization             | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Lumbar puncture                            | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Paracentesis                               | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Pap smear and endocervical culture         | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Thoracentesis                              | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Placement of peripheral intravenous line   | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Advanced cardiac life support              | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Drawing venous blood                       | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| I and D of an abscess                      | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             | Knowledge of diagnostic testing |           |                   |
| EKG order and review                       | 2             | Direct      | and procedures.                 | 2         | MK,PC             |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Nasogastric intubation                     | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |
|  |               |             |                                 |           | MK, PC, PBL, ICS, |
| Pulmonary Artery Catheter placement        | 1             | Direct      | Skill in performing procedures  | 2         | SBP               |

|  |   |          | Gathers and synthesizes essenti al and accurate information to d |   |                   |
|--|---|----------|--|---|-------------------|
| Perform and document history and           |   |          | efine each patient's clinical prob                               |   |                   |
| physical exams                             | 1 | Indirect | lem(s).  | 2 | MK, PC, P, ICS    |
| priyotedi examb                            |   | man coc  | Requests and provides consultat                                  |   | 1111,1 0,1,100    |
| Request and review consultations           | 1 | Direct   | ive care   | 2 | MK, PC, P, ICS    |
| '  |   |          | Communicates effectively with p                                  |   | , , ,             |
| Obtain and document informed consent       | 1 | Direct   | atients and caregivers   | 2 | MK, PC, P, ICS    |
| Understand and Practice Universal          |   |          | Learns and improves via perfor                                   |   | MK, PC, P, SBP,   |
| Infection control                          | 2 | Indirect | mance audit.   | 2 | PBL               |
| Understand and Practice Patient Safety     |   |          | Learns and improves via perfor                                   |   | MK, PC, P, SBP,   |
| in Health care                             | 2 | Indirect | mance audit.   | 2 | PBL               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Arterial blood gas, draw and interpret     | 1 | Direct   | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Arterial line placement                    | 1 | Direct   | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Aspirations and injections, joint or bursa | 2 | Indirect | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Cardioversion, emergent                    | 2 | Indirect | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Central venous catheterization             | 1 | Direct   | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Lumbar puncture                            | 1 | Direct   | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Paracentesis                               | 1 | Direct   | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Pap smear and endocervical culture         | 2 | Indirect | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Thoracentesis                              | 1 | Direct   | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Placement of peripheral intravenous line   | 1 | Direct   | Skill in performing procedures                                   | 3 | SBP               |
|  |   |          |  |   | MK, PC, PBL, ICS, |
| Advanced cardiac life support              | 2 | Indirect | Skill in performing procedures                                   | 3 | SBP               |

| Drawing yeneya blood                           | 2 | la dina at |  | 2 | MK, PC, PBL, ICS,<br>SBP |
|--|---|------------|--|---|--------------------------|
| Drawing venous blood                           | 2 | Indirect   | Skill in performing procedures   | 3 | MK, PC, PBL, ICS,        |
| I and D of an abscess                          | 2 | Indirect   | Skill in performing procedures   | 3 | SBP                      |
| Tallu D Of all abscess                         |   | munect     | Knowledge of diagnostic testing  | 3 | JDF                      |
| EKG order and review                           | 2 | Indirect   | and procedures.  | 2 | MK,PC                    |
| ENG order and review                           |   | mairect    | and procedures.  | 3 |                          |
| Necessaria introduction                        | 1 | Divost     |  | 2 | MK, PC, PBL, ICS,        |
| Nasogastric intubation                         | 1 | Direct     | Skill in performing procedures   | 3 | SBP                      |
| B. Lancas and A. Lance Callbert and Lancas and | 4 | <b>D</b> : | CLULT CONTROL OF CONTR | 2 | MK, PC, PBL, ICS,        |
| Pulmonary Artery Catheter placement            | 1 | Direct     | Skill in performing procedures   | 2 | SBP                      |
|  |   |            | Gathers and synthesizes essenti  |   |                          |
|  |   |            | al and accurate information to d   |   |                          |
| Perform and document history and               |   |            | efine each patient's clinical prob   |   | MK, PC, P, ICS,          |
| physical exams                                 | 2 | Indirect   | lem(s).  | 3 | PBL                      |
|  |   |            | Requests and provides consultat  |   |                          |
| Request and review consultations               | 2 | Indirect   | ive care   | 3 | MK, PC, P, ICS           |
|  |   |            | Communicates effectively with p  |   |                          |
| Obtain and document informed consent           | 2 | Indirect   | atients and caregivers   | 3 | MK, PC, P, ICS           |
| Understand and Practice Universal              |   |            | Learns and improves via perfor   |   | MK, PC, P, SBP,          |
| Infection control                              | 3 | Indirect   | mance audit.   | 3 | PBL                      |
| Understand and Practice Patient Safety         |   |            | Learns and improves via perfor   |   | MK, PC, P, SBP,          |
| in Health care                                 | 3 | Indirect   | mance audit.   | 3 | PBL                      |
|  |   |            |  |   | MK, PC, PBL, ICS,        |
| Arterial blood gas, draw and interpret         | 2 | Indirect   | Skill in performing procedures   | 4 | SBP                      |
|  |   |            |  |   | MK, PC, PBL, ICS,        |
| Arterial line placement                        | 2 | Indirect   | Skill in performing procedures   | 4 | SBP                      |
| ·  |   |            |  |   | MK, PC, PBL, ICS,        |
| Aspirations and injections, joint or bursa     | 2 | Indirect   | Skill in performing procedures   | 4 | SBP                      |
|  |   |            |  |   | MK, PC, PBL, ICS,        |
| Cardioversion, emergent                        | 2 | Indirect   | Skill in performing procedures   | 4 | SBP                      |
| , 5  |   |            |  |   | MK, PC, PBL, ICS,        |
| Central venous catheterization                 | 2 | Indirect   | Skill in performing procedures   | 4 | SBP                      |
|  |   |            |  |   | MK, PC, PBL, ICS,        |
| Lumbar puncture                                | 2 | Indirect   | Skill in performing procedures   | 4 | SBP                      |

|  | _ |          |                                    |   | MK, PC, PBL, ICS, |
|--|---|----------|------------------------------------|---|-------------------|
| Paracentesis                             | 2 | Indirect | Skill in performing procedures     | 4 | SBP               |
|  | _ |          |                                    |   | MK, PC, PBL, ICS, |
| Pap smear and endocervical culture       | 2 | Indirect | Skill in performing procedures     | 4 | SBP               |
|  |   |          |                                    |   | MK, PC, PBL, ICS, |
| Thoracentesis                            | 2 | Direct   | Skill in performing procedures     | 4 | SBP               |
|  |   |          |                                    |   | MK, PC, PBL, ICS, |
| Placement of peripheral intravenous line | 2 | Direct   | Skill in performing procedures     | 4 | SBP               |
|  |   |          |                                    |   | MK, PC, PBL, ICS, |
| Advanced cardiac life support            | 3 | Indirect | Skill in performing procedures     | 4 | SBP               |
|  |   |          |                                    |   | MK, PC, PBL, ICS, |
| Drawing venous blood                     | 3 | Indirect | Skill in performing procedures     | 4 | SBP               |
|  |   |          |                                    |   | MK, PC, PBL, ICS, |
| I and D of an abscess                    | 2 | Indirect | Skill in performing procedures     | 3 | SBP               |
|  |   |          | Knowledge of diagnostic testing    |   |                   |
| EKG order and review                     | 3 | Indirect | and procedures                     | 4 | MK, PC            |
|  |   |          |                                    |   | MK, PC, PBL, ICS, |
| Nasogastric intubation                   | 3 | Indirect | Skill in performing procedures     | 4 | SBP               |
|  |   |          |                                    |   | MK, PC, PBL, ICS, |
| Pulmonary Artery Catheter placement      | 1 | Direct   | Skill in performing procedures     | 2 | SBP               |
|  |   |          | Gathers and synthesizes essenti    |   |                   |
|  |   |          | al and accurate information to d   |   |                   |
| Perform and document history and         |   |          | efine each patient's clinical prob |   | MK, PC, P, ICS,   |
| physical exams                           | 3 | Indirect | lem(s)                             | 4 | PBL               |
|  |   |          | Requests and provides consultat    |   |                   |
| Request and review consultations         | 3 | Indirect | ive care                           | 4 | MK, PC, P, ICS    |
|  |   |          | Communicates effectively with p    |   |                   |
| Obtain and document informed consent     | 3 | Indirect | atients and caregivers             | 4 | MK, PC, P, ICS    |
| Understand and Practice Universal        |   |          | Learns and improves via perfor     |   | MK, PC, P, SBP,   |
| Infection control                        | 3 | Indirect | mance audit                        | 4 | PBL               |
| Understand and Practice Patient Safety   |   |          | Learns and improves via perfor     |   | MK, PC, P, SBP,   |
| in Health care                           | 3 | Indirect | mance audit                        | 4 | PBL               |
|  |   |          |                                    |   | MK, PC, PBL, ICS, |
| Arterial blood gas, draw and interpret   | 2 | Indirect | Skill in performing procedures     | 4 | SBP               |

| Autorial line placement                    | 2        | la dina at | Chill in montage in a page of the                               | 4 | MK, PC, PBL, ICS,<br>SBP |
|--|----------|------------|---|---|--------------------------|
| Arterial line placement                    | 2        | Indirect   | Skill in performing procedures                                  | 4 | MK, PC, PBL, ICS,        |
| Aspirations and injections, joint or bursa | 2        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
| Aspirations and injections, joint of bursa |          | manect     | Skill in performing procedures                                  | 4 | MK, PC, PBL, ICS,        |
| Cardioversion, emergent                    | 2        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
| caratoversion, emergent                    |          | illuli ccc | Skiii iii performing procedures                                 |   | MK, PC, PBL, ICS,        |
| Central venous catheterization             | 2        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
|  |          |            | В регосия   |   | MK, PC, PBL, ICS,        |
| Lumbar puncture                            | 2        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
| ·  |          |            |   |   | MK, PC, PBL, ICS,        |
| Paracentesis                               | 2        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
|  |          |            |   |   | MK, PC, PBL, ICS,        |
| Pap smear and endocervical culture         | 2        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
|  |          |            |   |   | MK, PC, PBL, ICS,        |
| Thoracentesis                              | 2        | Direct     | Skill in performing procedures                                  | 4 | SBP                      |
|  |          |            |   |   | MK, PC, PBL, ICS,        |
| Placement of peripheral intravenous line   | 2        | Direct     | Skill in performing procedures                                  | 4 | SBP                      |
|  |          |            |   |   | MK, PC, PBL, ICS,        |
| Advanced cardiac life support              | 3        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
|  |          |            |   |   | MK, PC, PBL, ICS,        |
| Drawing venous blood                       | 3        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
|  | _        |            |   |   | MK, PC, PBL, ICS,        |
| I and D of an abscess                      | 2        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
|  |          |            | Knowledge of diagnostic testing                                 | _ |                          |
| EKG order and review                       | 3        | Indirect   | and procedures  | 4 | MK, PC                   |
| Nia a a a a dui a industria a              | 2        | la dina at | Chill in a referencian and and                                  | 4 | MK, PC, PBL, ICS,        |
| Nasogastric intubation                     | 3        | Indirect   | Skill in performing procedures                                  | 4 | SBP                      |
| Dulmanary Artany Cathotar placers ant      | 1        | Direct     | Chill in parforming procedures                                  | 1 | MK, PC, PBL, ICS,<br>SBP |
| Pulmonary Artery Catheter placement        | 1        | Direct     | Skill in performing procedures  Gathers and synthesizes essenti | 4 | אמר                      |
|  |          |            | al and accurate information to d                                |   |                          |
| Perform and document history and           |          |            | efine each patient's clinical prob                              |   | MK, PC, P, ICS,          |
| physical exams                             | 3        | Indirect   | lem(s)  | 4 | PBL                      |
| physical exams                             | <u> </u> | munect     | ieiii(s)  | + | I DL                     |

|  |   |          | Requests and provides consultat |     |                 |
|--|---|----------|---------------------------------|-----|-----------------|
| Request and review consultations       | 3 | Indirect | ive care                        | 4   | MK, PC, P, ICS  |
|  |   |          | Communicates effectively with p |     |                 |
| Obtain and document informed consent   | 3 | Indirect | atients and caregivers          | 4.5 | MK, PC, P, ICS  |
| Understand and Practice Universal      |   |          | Learns and improves via perfor  |     | MK, PC, P, SBP, |
| Infection control                      | 3 | Indirect | mance audit                     | 5   | PBL             |
| Understand and Practice Patient Safety | _ |          | Learns and improves via perfor  |     | MK, PC, P, SBP, |
| in Health care                         | 3 | Indirect | mance audit                     | 5   | PBL             |

- Level 1 The attending physician is physically present and directly involved in the care/procedure.
- Level 2 The attending physician is present in the operative/procedural suite or on the unit and immediately available for consultation.
- Level 3 The attending physician is immediately available in the facility or on the MUSC campus.
- Level 4 The attending physician is off-site and able to be present in the hospital within a reasonable amount of time.

#### KEY:

#### \* Supervision

**Direct**-the supervising physician is physically present with the resident and patient.

\*A faculty physician, other than another resident, is physically present during the key portions of the procedure or is immediately available.

**Indirec**t-the supervising physician is physically within the hospital or other site of patient care and is immediately available to provide direct supervision.

**Oversight**- the supervising physician is available to provide review of procedures/encounters with feedback after care is provided.

#### \*\*Core Competencies

- 1. Patient Care (PC)
- 2. Medical Knowledge (MK)
- 3. Practice-Based Learning & Improvement (PBL)
- 4. Systems-Based Practice (SBP)
- 5. Interpersonal & Communication Skills (IC)
- 6. Professionalism (P)