## Patient Care

*Demonstrate patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. Early in his/her education, residents should demonstrate patient care skills relevant to patients on this service for patients with common diagnoses and for uncomplicated procedures. As residents progress in educational level, they should be able to demonstrate patient care skills with non-routine, complicated patients and under increasingly difficult circumstances.*

### PGY 1

#### Manual Dexterity

*The PGY-1 Trauma Resident should demonstrate the ability to conduct the following procedures* **(under senior supervision):**

- Tracheostomy exchange
- Chest tube placement
- Fiberoptic bronchoscopy
- Focused abdominal sonography for trauma (FAST)
- Diagnostic peritoneal lavage
- Placement of a pelvic binder
- Enteral tube placement (Nasogastric, etc)
- Obtain vascular access via:
  - Inguinal (Femora)
  - Cervical (Internal jugular)
  - Subclavian
  - Antecubital
- Perform closed chest defibrillation
- Apply closed chest cardiac Massage
- Large volume resuscitation
- Set up the level one rapid infuser
- Basic laceration closure
- Arrives for trauma prepared for the cognitive components of his/her role taking care of the trauma patient.
- Assist attending staff with basic and complex surgical procedures

#### Care Plans

*The PGY-1 Trauma Resident should demonstrate the ability to:*

- Perform a primary and secondary survey of a trauma patient in the ED according to ATLS protocol.
- Perform accurate and efficient physical examination.
- Accurately and succinctly convey the assessment of the patient to chief residents and attending surgical staff.
- Understand Advanced Cardiac Life Support protocols
- Demonstrates caring and respectful behaviors when interacting with patients and/or their families.
- Incorporates the patient preferences in making decisions about diagnostic and therapeutic interventions
- Gathers essential and accurate information about patients.
- Understands decisions regarding appropriate triage of patients on trauma.
- Evaluates critically ill patients with surgical indications and presents a differential diagnosis to chief resident.
- Begins to develop an understanding in decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment.
- Understands the policies and procedures in working with services, and carries out patient management plans for trauma and critically ill patients.
- Demonstrate knowledge of the indications and contraindications for various medications used in the preparation and performance of procedures.
- Assist chief resident and/or attending in the overall care of patients for the team of residents and students.
- Assist chief resident and/or attending with all essential medical and invasive procedures.
- Assist chief resident and/or attending in coordinating with health care professionals, including those from other disciplines, care of the critically ill patient so as to provide Patient-focused care.
- Understand, follow, and execute the evidence based established critical care protocols and trauma guidelines including:
  - The Thoracic & Lumbar Spine clearance protocol
  - Use of oral contrast fort abdominal CT in Trauma
  - Potential compromised airway protection guidelines in trauma bay
  - The Intravascular Catheter Policy & Management Algorithm
  - The Surviving Sepsis Campaign Management Bundles
  - The Guidelines for the Administration of Insulin Infusions
  - The Guidelines for Deep Vein Thrombosis Assessment & Management

**Technical Skills in Patient Care**

- Demonstrates knowledge, psychomotor skills and judgment related to his/her role on the trauma service.
- Demonstrates manual dexterity appropriate for this level of training.
- Begin to develop necessary skills to give a medical opinion to another surgical or non-surgical colleague about a patient.
- Demonstrate competence as assistant in the most surgical cases
- Develop an understanding of the benefits and limitations of operative surgical techniques.
- Critique and refine assessment and management skills by participating in daily teaching rounds.
- Provide continuity of care and assess outcomes.
- Gain experience in patient management in trauma room, outpatient clinic.
- Develop competence of interpretation of radiologic studies such as abdominal films and chest x-rays.

**PGY 2-3**

**Manual Dexterity**

The PGY-3 Trauma Resident should demonstrate the ability to conduct the following procedures:

- Endotracheal and nasotracheal intubation
- Tracheostomy & cricothyroidotomy
• Chest tube placement
• Emergent lateral thoracotomy
• Fiberoptic bronchoscopy
• Focused abdominal sonography for trauma (FAST)
• Diagnostic peritoneal lavage
• Placement of a pelvic binder
• Enteral tube placement (Nasogastric, etc)
• Performance of:
  - Arterial line
  - Central venous trauma resuscitation line
  - Venous cut-down
• Obtain vascular access via:
  - Inguinal (Femora)
  - Cervical (Internal jugular)
  - Subclavian
  - Antecubital
• Perform closed chest defibrillation
• Apply closed chest cardiac Massage
• Apply open chest cardiac message
• Large volume resuscitation
• Set up the level one rapid infuser
• Complex laceration closure
• Local penetrating wound exploration
• Arrives for trauma prepared for the cognitive components of his/her role taking care of the trauma patient.
• Assist attending staff with complex surgical procedures

Care Plans

The PGY-2-3 Trauma Resident should demonstrate the ability to:

• Perform a primary and secondary survey of a trauma patient in the ED according to ATLS protocol.
• Develops and executes patient care plans appropriate for PGY2-3 resident in triage of trauma patients and critically ill patients in the trauma bay STICU, and floor patients.
• Supervise all aspects of the care of trauma patients in the emergency department.
• Formulate the diagnostic and therapeutic surgical plan for trauma patients.
• Perform accurate and efficient physical examination.
• Develops, coordinates with services (urologic, orthopedic, neurosurgical, etc), and carries out patient management plans for trauma and critically ill patients.
• Accurately and succinctly convey the assessment of the patient to chief residents and attending surgical staff.
• Understand Advanced Cardiac Life Support protocols
• Demonstrates caring and respectful behaviors when interacting with patients and/or their families.
• Evaluates critically ill patients with complex surgical indications and presents a differential diagnosis.
• Demonstrate ability to appreciate a patient with an acute abdomen.
• Coordinate and perform an exploratory laparotomy with a plan to handle any possible abdominal catastrophe.
• Demonstrates the ability to make appropriate and timely decisions with respect to the operative procedure.
• Makes informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical
• Understand, follow, and execute the evidence based established critical care protocols and trauma guidelines including:
  ➢ The Thoracic & Lumbar Spine clearance protocol
  ➢ Use of oral contrast for abdominal CT in Trauma
  ➢ Potential compromised airway protection guidelines in trauma bay
  ➢ The STICU extubation Protocol
  ➢ The STICU Sustained Sedation and Analgesia Protocol
  ➢ The Richmond Agitation and Sedation Scale (RASS)
  ➢ The Intravascular Catheter Policy & Management Algorithm
  ➢ The Surviving Sepsis Campaign Management Bundles
  ➢ The Guidelines for Treatment with Drotrecogin alfa in Severe Sepsis
  ➢ The Guidelines for the Administration of Insulin Infusions
  ➢ The Guidelines for Deep Vein Thrombosis Assessment & Management

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**PGY4-5**

**Manual Dexterity**

The Trauma Chief Resident should demonstrate the following procedural skills in patient care:

• All associated ATLS procedures
• Large volume resuscitation
• Exploratory laparotomy for penetrating injury, including control of hemorrhage, intestinal resection, creation of ostomies.
• Damage control operations and principles
• Application of wound vacuum therapies
• Repair of injured vascular structures
• Take junior resident through an appropriate level care (i.e., appendectomy/Cholecystectomy)
• Manage severe necrotizing pancreatitis – operative and STICU
• Manage severe necrotizing soft tissue infections – operative and STICU.
• Perform emergency/urgent abdominal celiotomy for gastric, small bowel or colonic disease (i.e. Acute diverticulitis).

**Care Plans**

**Compassionate Patient Care:**

• Demonstrates caring and respectful behaviors when interacting with patients and/or their families.
• Incorporates the patient preferences in making decisions about diagnostic and therapeutic interventions.
• Discuss with patient/family operative risk in an emergent operative scenario.
• Discuss with patient/family end of life issues in the setting of futile care.

**Appropriate Patient Care:**

• Develops and executes patient care plans appropriate for chief resident in triage of trauma patients and critically ill patients in the Trauma Units and STICU.
• Gathers essential and accurate information about patients.
• Evaluates critically ill patients with complex surgical indications and presents a differential diagnosis.
• Makes informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment.
• Develops, coordinates with services, and carries out patient management plans for trauma and critically ill patients.
• Supervise all aspects of the care of the injured patient.
• Coordinate the overall care of patients for the team of residents and students.
• Exhibit ability to assess caregiver to include preparedness, needs, and signs of strain.
• Consider caregiver emotional support and actual physical care of the patient.

Effective Treatment and Health Promotion:
• Performs competently all essential medical and invasive procedures.
• Provides health care services aimed at preventing health problems and maintaining health.
• Coordinates with health care professionals, including those from other disciplines, care of the critically ill patient so as to provide Patient-focused care.
• Understand, follow, and execute the evidence based established critical care protocols and trauma guidelines including:
  ➢ The Thoracic & Lumbar Spine clearance protocol
  ➢ Use of oral contrast for abdominal CT in Trauma
  ➢ Potential compromised airway protection guidelines in trauma bay
  ➢ The STICU Extubation Protocol
  ➢ The STICU Sustained Sedation and Analgesia Protocol
  ➢ The Richmond Agitation and Sedation Scale (RASS)
  ➢ The Intravascular Catheter Policy & Management Algorithm
  ➢ The Surviving Sepsis Campaign Management Bundles
  ➢ The Guidelines for Treatment with Drotrecogin alfa in Severe Sepsis
  ➢ The Guidelines for the Administration of Insulin Infusions
  ➢ The Guidelines for Deep Vein Thrombosis Assessment & Management

• Coordinate the work-up and perform an exploratory laparotomy with a plan to handle any possible abdominal catastrophe.

Technical Skills in Patient Care
• Demonstrates knowledge, psychomotor skills and judgment related to his/her role on the trauma service and in the STICU.
• Arrives for trauma prepared for the cognitive components of his/her role taking care of the trauma patient.
• Demonstrates the ability to proceed through various steps of caring for the trauma and/or critically ill patient in a manner that is consistent with the flow of the operation.
• Demonstrates the ability to make appropriate and timely decisions with respect to the operative procedure.
• Formulate the diagnostic and therapeutic plan for patients sustaining multi-system blunt injury.
• Formulate the diagnostic and therapeutic plan for patients who have sustained penetrating injuries of the neck, chest, abdomen, and extremities.
• Exhibit necessary skills to give a medical opinion to another surgical or non-surgical colleague about a patient.
• Demonstrate competence in the most complex surgical cases
• Manage
  ➢ Multiple organ system failure
- Life threatening surgical infections
- Hypovolemic shock
- Renal failure
- Nutritional failure
- Liver failure
- Nutritional and metabolic components of the patient’s illness

- Demonstrates an understanding of the benefits and limitations of operative surgical techniques.
- Assist attending staff with complex surgical procedures.
- Supervise the management of the injured patient in the Intensive Care Unit, including ventilator management, nutritional management, management of infectious complications, and support of the septic patient and patients suffering from hemorrhagic shock.
## Medical Knowledge

Residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to patient care. It is important that residents demonstrate his/her ability to acquire and access new knowledge, interpret the information, and then apply it in the clinical setting. The resident will demonstrate a commitment to life long learning.

### PGY- 1

**The PGY-1 Trauma Resident should:**

- Demonstrate an understanding of:
  - Basic science principles (ex: metabolism, wound healing)
  - Trauma Surgery principles (ex: ATLS, shock)
  - General Surgery principles (ex: acute abdomen)
  - General Medicine principles (ex: infectious disease)
  - Critical Care subjects (ex: ARDS, SIRS, acid/base)
  - Pharmacologic principles (ex: antibiotic management)
  - Radiographic studies: indications and interpretation

- Develop ability to provide timely surgical assessment and operative management of the patient with an acute general surgical problem.
- Define the categories of shock based upon type, and explain the etiology and pathophysiology of each type of shock: cardiogenic, hypovolemic, septic, tamponade, tension pneumothorax.
- Develop ability to formulate and implement a diagnostic and treatment plan critically ill patients.
- Develop understanding of multi-disciplinary care of the trauma and/or critical care patient.
- Exhibit knowledge in surgical infections, complications of acute surgical disease, and surgical management.
- Demonstrate familiarity with surgical literature and areas of trauma and critical care.
- Must relate basic medical knowledge to patient care. Residents must evaluate and demonstrate knowledge of pertinent scientific information.
- Exhibit knowledge base sufficient to teach junior level residents and students on the service.
- Demonstrate surgical competence by the use of significant surgical knowledge and advanced skill to achieve a performance that produces appropriate and anticipated outcomes.
- Understand and integrate surgical continuity of care principles into the total care plan for trauma and critically ill patients.
- Demonstrate understanding of the significance of the natural history of surgical disease, the consequence of surgical care (both positive and negative), and the influence of continuity of care upon surgical outcomes.
- Incorporate the knowledge of ethical, legal, economic, and/or social factors into the activities of the entire trauma and/or critical care team for all components of patient care.
### PGY – 2-3

**The PGY-2-3 Trauma Resident should:**

- Demonstrate ability to provide timely surgical assessment and operative management of the patient with an acute general surgical problem.
- Demonstrate ability to formulate and implement a diagnostic and treatment plan for critically ill patients.
- Exhibit extensive knowledge in surgical infections, complications of acute surgical disease, and complex surgical management.
- Demonstrate familiarity with surgical literature and extensive areas of trauma and critical care.
- Residents must critically evaluate and demonstrate knowledge of pertinent scientific information.
- Demonstrate surgical competence by the use of significant surgical knowledge and advanced skill to achieve a performance that produces appropriate and anticipated outcomes.
- Demonstrate the capacity to integrate surgical continuity of care principles into the total care plan for trauma and critically ill patients.
- Demonstrate understanding of the significance of the natural history of surgical disease, the consequence of surgical care (both positive and negative), and the influence of continuity of care upon surgical outcomes.
- Incorporate the knowledge of ethical, legal, economic, and/or social factors into the activities of the entire trauma and/or critical care team for all components of patient care.
- Extensive knowledge of the clinical practice guidelines for trauma care

### PGY 4-5

**The Trauma Chief Resident should:**

- Have comprehensive knowledge of all ATLS protocols and principles
- Have comprehensive and extensive knowledge of all trauma and critical care guidelines and protocols of the trauma and ICU service
- Demonstrate ability to provide timely surgical assessment and operative management of the patient with an acute general surgical problem.
- Demonstrate ability to formulate and implement a diagnostic and treatment plan of critically ill patients.
- Coordinate multi-disciplinary care of the trauma and/or critical care patient.
- Exhibit extensive knowledge in surgical infections, complications of acute surgical disease, and complex surgical management.
- Priorities for management of various organ systems in the multiply injured patient.
- Exhibit knowledge and use of sepsis severity scores.
- Demonstrate ability to evaluate and treat various bleeding disorders.
- Demonstrate ability to care for and manage hepatic and renal failure patients.
- Demonstrate knowledge of specific therapy for endocrine-related problems associated with critical care.
- Demonstrate familiarity with surgical literature and extensive areas of trauma and critical care.
- Must relate basic medical knowledge to patient care.
- Must critically evaluate and demonstrate knowledge of pertinent scientific information.
- Exhibit knowledge base sufficient to teach junior level residents and students on the service.
- Demonstrate surgical competence by the use of significant surgical knowledge and advanced skill to achieve a performance that produces appropriate and anticipated outcomes.
outcomes.
- Demonstrate the capacity to integrate surgical continuity of care principles into the total care plan for trauma and critically ill patients.
- Through leadership and teaching, demonstrate understanding of the significance of the natural history of surgical disease, the consequence of surgical care (both positive and negative), and the influence of continuity of care upon surgical outcomes.
- Incorporate the knowledge of ethical, legal, economic, and/or social factors into the activities of the entire trauma and/or critical care team for all components of patient care.
- Understand primary surgical literature beyond that in textbooks and review articles.
**Practice-Based Learning & Improvement**

Residents must demonstrate the ability to investigate and evaluate their care, appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation. While assigned to this service.

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**PGY-1**

*The PGY-1 Trauma Resident should demonstrate the ability to:*

- Analyze practice-based improvement activities using a systematic methodology.
- Obtains and uses information about their population of patients and the larger population from which patients are drawn.
- Locates, appraises, and assimilates evidence from scientific studies related to their Patients’ health problems.
- Applies knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness.
- Uses information technology to manage information, access on-line medical information; and support his/her own education.
- Facilitates the learning of medical students.
- Exhibit and recognize the importance of lifelong learning in surgical practice.
- Learn to accept constructive criticism.

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**PGY 2-3**

*The PGY 2-3 Trauma Resident should demonstrate the ability to:*

- Performs practice-based improvement activities using a systematic methodology.
- Locates, appraises, and assimilates evidence from scientific studies related to their Patients’ health problems.
- Applies knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness.
- Uses information technology to manage information, access on-line medical information; and support his/her own education.
- Facilitates the learning of junior level residents and medical students.
- Exhibit and recognize the importance of lifelong learning in surgical practice.
- Learn to accept constructive criticism.

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**PGY 4-5**

*The Trauma Chief Resident should:*

- Performs practice-based improvement activities using a systematic methodology.
- Locates, appraises, and assimilates evidence from scientific studies related to their Patients’ health problems.
- Applies knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness.
- Uses information technology to manage information, access on-line medical information; and support his/her own education.
- Exhibit and recognize the importance of lifelong learning in surgical practice.
- Facilitates the learning of junior level residents and medical students.
- Analyze personal strengths and weakness and create methods to improve.
Develop practice patterns using the concepts of “best practice” and “evidence-based medicine.”
### Interpersonal Communication Skills

The resident will demonstrate a commitment to listening well, exhibit rapport with patients, staff and peers, and dictate all required discharge summaries and others on time. Residents must communicate effectively with patients to perform specific tasks such as obtain a history, obtain informed consent, telephone triage, present cases, write notes, inform patients of a diagnosis and/or therapeutic plan. Residents will develop interpersonal skills through effectively interacting with patients, families, other health care providers through establishing trusting relationships.

### PGY-1

*The PGY-1 Trauma Resident should demonstrate the ability to:*

- Collegially interact with surgical faculty as well as the various consulting medical teams and emergency department physicians and staff.
- Accurately and succinctly convey the assessment of the patient to chief residents and attending surgical staff.

*The PGY-1 Resident on the SICU should additionally demonstrate:*

- Effective listening skills, including observing nonverbal cues and using explanatory questioning.
- Effective, complete, and legible note writing skills.
- Effective medical presentations in a concise, organized, chronological, logical and knowledgeable manner.
- Effective and thorough patient hand-off/sign out of surgical patients.
- Skill and sensitivity for appropriate and ethical counseling and educating patients and their families in a variety of trauma and critical care situations.
- Presents all patients and conference material in a concise, organized, chronologic, logical and knowledgeable manner.
- Evaluates the performance and competence of all members of the surgical residency team.

### PGY-2-3

*The PGY 2-3 Trauma Resident should demonstrate the ability to:*

- Collegially interact with surgical faculty as well as the various consulting medical teams and emergency department physicians and staff.
- Accurately and succinctly convey the assessment of the patient to chief residents and attending surgical staff.
- Develop effective, complete, and legible note writing skills.
- Execute effective and thorough patient hand-off/sign out.
- Demonstrates skill and sensitivity for appropriate and ethical counseling and educating patients and their families in a variety of trauma and critical care situations.
- Presents all patients and conference material in a concise, organized, chronologic, logical and knowledgeable manner.
- Evaluates the performance and competence of all members of the surgical residency team.
- Exhibits leadership for the Trauma Team including the nurse practitioners, social workers, trauma coordinators, and nurses.
### PGY4-5

**The Trauma Chief Resident should:**

- Demonstrates skill and sensitivity for appropriate counseling and educating patients and their families in a variety of trauma and critical care situations.
- Creates and sustains therapeutic and ethically sound relationships with patients and families.
- Works effectively with others as a leader of the health care team and/or other professional groups.
- Effectively and promptly documents practice activities.
- Presents all patients and conference material in a concise, organized, chronologic, logical and knowledgeable manner.
- Utilizes input from all collaborative interactions with all personnel contributing to the surgical patient care.
- Exhibits trauma team leadership.
- Contribute via effective teaching and example to the educational efforts of the surgical residency.
- Evaluates the performance and competence of all members of the surgical residency team.
# Professionalism

## PGY-1

The PGY-1 Trauma Resident should:

- Demonstrate respect, compassion, integrity and honesty.
- Demonstrate patient care that supersedes personal self interest.
- Demonstrate personal responsibility for patient problems.
- Understand and utilize privacy policies, informed consent, business and medical ethics, especially as it pertains to provision or withholding of clinical care.
- Understand and follow institutional behavior policies (ie. Sexual harassment, etc.).
- Exhibit professionalism through timely completion of required administrative responsibilities (evaluations, recording hours, chart documentation, medical record dictations, etc.)
- Demonstrate accountability for actions and decisions.
- Demonstrate the ability to accept constructive criticism and positive feedback as provided.

## PGY 2-3

The PGY 2-3 Trauma Resident should:

- Demonstrate respect, compassion, integrity and honesty.
- Demonstrate patient care that supersedes personal self interest.
- Demonstrate personal responsibility for patient problems.
- Understand and utilize privacy policies, informed consent, business and medical ethics, especially as it pertains to provision or withholding of clinical care.
- Understand and follow institutional behavior policies (ie. Sexual harassment, etc.).
- Exhibit professionalism through timely completion of required administrative responsibilities (evaluations, recording hours, chart documentation, medical record dictations, etc.)
- Demonstrate accountability for actions and decisions.
- Demonstrate the ability to accept constructive criticism and positive feedback as provided.

## PGY 4-5

The Trauma Chief Resident should:

- Demonstrate respect, compassion, integrity and honesty.
- Demonstrate patient care that supersedes personal self interest.
- Demonstrate personal responsibility for patient problems.
- Understand and utilize privacy policies, informed consent, business and medical ethics, especially as it pertains to provision or withholding of clinical care.
- Understand and follow institutional behavior policies (ie. Sexual harassment, etc.).
- Exhibit professionalism through timely completion of required administrative responsibilities (evaluations, recording hours, chart documentation, medical record dictations, etc.)
- Demonstrate accountability for actions and decisions.
- Demonstrate the ability to accept constructive criticism and positive feedback as provided.
## System-Based Practice

The resident will collaborate with and maintain appropriate professional attitudes and behaviors toward other medical professionals and allied health personnel and identify improvements in patient care. Residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources within the system to provide optimal health care.

### PGY-1
The PGY-1 Trauma Resident should exhibit awareness and responsiveness to the Health Care System by:

- Understanding how patient care and other professional practices affect other health care professionals, the health care organization, and the larger society. Understand how these elements of the system affect their own practice.
- Understanding how types of medical practice and delivery systems differ from one another, including methods and controlling health care costs and allocating resources.

*The PGY-1 Trauma Resident should exhibit understanding of utilization of system resources by:*

- Practicing cost-effective health care and resource allocation that does not compromise quality of care for the trauma patient and/or critically ill.
- Advocating for quality patient care and assisting patients in dealing with system complexities.

### PGY 2-3
The PGY-3 Trauma Resident should exhibit awareness and responsiveness to the Health Care System by:

- Understanding how patient care and other professional practices affect other health care professionals, the health care organization, and the larger society. Understand how these elements of the system affect their own practice.
- Understanding how types of medical practice and delivery systems differ from one another, including methods and controlling health care costs and allocating resources.

*The PGY 2-3 Trauma Resident should exhibit understanding of utilization of system resources by:*

- Practicing cost-effective health care and resource allocation that does not compromise quality of care for the trauma patient and/or critically ill.
- Advocating for quality patient care and assisting patients in dealing with system complexities.

### PGY 4-5
*The Trauma Chief Resident* should exhibit awareness and responsiveness to the Health Care System by:

- Understanding how patient care and other professional practices affect other health
care professionals, the health care organization, and the larger society. Understand how these elements of the system affect their own practice.

- Understanding how types of medical practice and delivery systems differ from one another, including methods and controlling health care costs and allocating resources.
- Understanding the role of a tertiary care center owned by a health plan in the healthcare system.

The Trauma Chief Resident should exhibit understanding of utilization of system resources by:

- Practicing cost-effective health care and resource allocation that does not compromise quality of care for the trauma patient and/or critically ill.
- Utilizing risk/benefit analysis in surgical decision making.
- Developing resource allocation management skills.
- Advocating for quality patient care and assisting patients in dealing with system complexities.
- Partnering with health care managers and health care providers to assess, coordinate, and improve health care and understands how these activities can affect system performance.

The Trauma Surgery Service requires that all residents refer to Access Surgery [http://www.accesssurgery.com](http://www.accesssurgery.com) for the required chapter readings and videos that must be reviewed while on the rotation. Residents are required to take the Board Review Exam, and score at least 75%, after review of the chapters and videos.