

Lung Transplant Service

Patient Care

Goals and objectives

- 1) Describe how to evaluate a patient with advanced lung disease.
- 2) Identify patients who are candidates for lung transplantation
- 3) Identify the findings that constitute contraindications to proceeding with lung transplantation
 - a) Cardiac risk factor
 - b) Infectious risk factor
 - c) Functional status
- 4) Interpret the results of clinical evaluations (history, physical examination, laboratory data) performed on patients:
- 5) Identify patients who are at risk for respiratory failure
- 6) Identify the patients who require mechanical ventilation
- 7) Identify the patients who require ECHMO
- 8) Identify the patients who are good transplant candidates
- 9) Interpret the results of focused clinical evaluations (history, physical examination, laboratory data and diagnostics) in postoperative liver transplant patients to identify and develop treatment plans for the following postoperative changes and complications:
 - a) Infection
 - b) Hemorrhagic shock
 - c) Rejection

Responsibilities & Expectations

- 1) Write admission and inpatient orders under the supervision of the NP/fellow/attendings
- 2) Attend rounds, and be prepared to present patients in an organized and succinct manner
- 3) Update sign out
- 4) Implement the clinical decisions made by the team (on rounds, during the day) in a timely manner
- 5) Check orders and arrange consultations
- 6) Schedule diagnostic tests and therapeutic procedures
- 7) Notify the fellow/NP if unable to implement the clinical decisions
- 8) Communicate the results of consultations, diagnostic tests, and therapeutic procedures to the fellow in a timely manner
- 9) Assist in coordination at discharge

Medical Knowledge

Goals and Objectives

- 1) Describe the evaluation process, including medical and psychosocial components, for the
- 2) Lung transplant recipient
- 3) Justify the indications for and contraindications for lung transplantation
- 4) Describe the significance of and clinical application of the waiting list for lung transplant
- 5) Identify immunosuppressive medication
 - a) Classes
 - b) Mechanisms of action
 - c) Toxicities
- 6) Describe the anatomy of the lung
- 7) Describe the major steps involved in performing a lung transplant
- 8) Analyze common opportunistic infections in transplant recipients in terms of:
 - a) Presenting signs and symptoms
 - b) Treatment
 - c) Prevention
- 9) Describe s/sx in lung transplant patients of
 - a) Acute rejection
 - b) Chronic rejection

Practice-Based Learning and Improvement

Goals and Objectives

- 1) Analyze the common complications respiratory failure and lung transplantation

Responsibilities & Expectations

- 1) Participate in the weekly M&M conference to review and analyze treatment outcomes
- 2) Meet with the education representative at least 1 times during the rotation (beginning, midpoint, exit) to review goals & objectives

Interpersonal and Communication Skills

Goals and Objectives

- 1) Communicate effectively as a member of the multidisciplinary team which rounds together
- 2) Communicate effectively with patients and families

Responsibilities & Expectations

- 1) Counsel and educate patients and their families regarding pathology of illness
- 2) Communicate daily plan of care with RN, PT, OT and nutrition
- 3) Communicate plan of care to transplant coordinator and outpatient providers as needed

Professionalism

Goals and Objectives

- 1) Collaborate respectfully with a multidisciplinary team
- 2) Consider the ethics of various organ allocation schemes, emphasizing utility, efficiency, justice

Responsibilities & Expectations

- 1) Demonstrate respect, compassion, and integrity²
- 2) Demonstrate a commitment to excellence and ongoing professional development
- 3) Provides patient centered care recognizing cultural diversity and the patient or designee as a full partner in decision making

Systems-Based Practice

Goals and Objectives

- 1) Describe the US system for allocation of lung from deceased donors
- 2) Compare the costs of
 - a) A lung transplantation and immunosuppressive medications with
 - b) the costs of long-term management of end-stage liver disease
- 3) Analyze the impact of recurrent disease
- 4) Discuss the ethics of patient selection for lung transplantation, including issues surrounding denial of transplantation
 - a) Allocation of a scarce resource (mortality, society vs. individual)
 - b) Lack of other options
- 5) Discuss the ethics of various organ allocation schemes, emphasizing utility, efficiency, justice

Responsibilities & Expectations

- 1) Attend at least two lung transplant selection conferences