

Milestones Based Goals and Objectives

| Goal 1: Understand the workup of a patient with elevated LFT's | | | |
|--|--|--|---------------------------------------|
| Objectives | Instructional Strategies | Evaluation | Associated Milestones |
| List the most common etiologies of elevated LFT's in pediatric patients. | Patient Care, Selected Reading, Didactic | Discussion with attending/fellow, Direct Observation | MK1, PC4 |
| Identify indications for referral to gastroenterology/hepatology including physical exam | Patient Care, Selected Reading | Discussion with attending/fellow, Direct Observation | MK1, PC2, SBP2 |
| Describe the approach to diagnostic testing, moving from least invasive to most invasive. | Patient Care, Selected Reading | Discussion with attending/fellow, Direct Observation | MK1, PC2, SBP3 |
| Compare and contrast the various imaging modalities available for evaluating the liver. | Patient Care, Selected Reading, Radiology Conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, SBP3 |
| Goal 2: Understand the workup of a patient with cholestasis | | | |
| Objectives | Instructional Strategies | Evaluation | Associated Milestones |
| List the most common etiologies of cholestasis in pediatric patients | Patient Care, Selected Reading | Discussion with attending/fellow, Direct Observation | MK1, PC2 |
| Describe the approach for diagnostic testing for cholestasis, moving from least invasive to most invasive | Patient Care, Selected Reading | Discussion with attending/fellow, Direct Observation | MK1, PC2, SBP3 |
| Identify the indications for referral to gastroenterology/hepatology, including physical exam findings, laboratory findings, imaging findings, and clinical trajectory | Patient Care, Selected Reading | Discussion with attending/fellow, Direct Observation | MK1, PC2, SBP2, ICS1 |
| Compare and contrast the various imaging modalities available for evaluating cholestasis | Patient Care, Selected Reading, Radiology Conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, SBP2, SBP3 |
| Goal 3: Understand the management of acute hepatic failure | | | |
| Objectives | Instructional Strategies | Evaluation | Associated Milestones |
| Describe the primary clinical manifestations of hepatic dysfunction | Patient Care, Selected Reading | Discussion with attending/fellow, Direct Observation | MK1, PC2 |
| Explain the management of hepatic-related coagulopathy | Patient Care, Selected Reading | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |
| Explain the management of hyperammonemia | Patient Care, Selected Reading | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |
| Explain the management of hepatorenal syndrome | Patient Care, Selected Reading | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |
| Goal 3: Understand the appropriate circumstances for referral for transplant evaluation | | | |
| Objectives | Instructional Strategies | Evaluation | Associated Milestones |
| List the indications and contraindications for liver transplantation | Patient Care, Selected Reading, Selection Committee Conference | Discussion with attending/fellow, Direct Observation | MK1, PC2 |
| Use PELD to assign a score for a given patient and interpret the scoring | Patient Care, Selected Reading, Selection Committee Conference | Discussion with attending/fellow, Direct Observation | MK1, PC2 |
| Identify the optimal timing for referral given the patient's etiology, acuity, and trajectory | Patient Care, Selected Reading, Selection Committee Conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3, SBP1, SBP2, SBP3, ICS1 |
| Goal 4: Understand the approach to patient and organ selection for OLT | | | |
| Objectives | Instructional Strategies | Evaluation | Associated Milestones |
| Describe the organ allocation process | Patient Care, Selected Reading, Selection Committee Conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, SBP1, SBP3, |
| Explain the Graft to Recipient Weight Ratio (GRWR) and its utility in graft selection | Patient Care, Selected Reading, Selection Committee Conference | Discussion with attending/fellow, Direct Observation | MK1, PC2 |
| Compare the potential donor sources of OLT and how these might affect intraoperative approach as well as the immediate postoperative course | Patient Care, Selected Reading, Selection Committee Conference, Pathology Conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |
| Goal 5: Understand the acute postoperative management of OLT patients | | | |
| Objectives | Instructional Strategies | Evaluation | Associated Milestones |
| Summarize the major principles surrounding immediate postoperative care of the OLT patient | Patient Care, Selected Reading, Didactic conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3, SBP1, SBP2 |
| Describe the most common acute postoperative complications following OLT, their general time course, and the risk factors for these complications | Patient Care, Selected Reading, Didactic conference, Observation in the OR | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |

| | | | |
|--|---|--|----------------------------------|
| Explain the initial management of immunosuppression for postoperative OLT patients | Patient Care, Selected Reading, Didactic conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |
| Goal 6: Understand the long term management of liver transplant patients | | | |
| Objectives | Instructional Strategies | Evaluation | Associated Milestones |
| Explain the approach to immunosuppression in post-OLT patients | Patient Care, Selected Reading, Didactic conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |
| Describe the indications for liver biopsy in post-OLT patients | Patient Care, Selected Reading, Didactic conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |
| List the most common long term complications following OLT | Patient Care, Selected Reading, Didactic conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |
| Describe the indications and contraindications for re-transplant of OLT patients | Patient Care, Selected Reading, Didactic conference, Selection Committee Conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3 |
| Explain and counsel families regarding the predictors of long term outcome following OLT | Patient Care, Selected Reading, Didactic conference | Discussion with attending/fellow, Direct Observation | MK1, PC2, PC3, PC4, PROF1, PROF4 |