

**Stanford University General Surgery Residency Program  
Hepatopancreatobiliary Surgery (HPB) Goals and Objectives for residents: R-1  
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**Description**

The HPB rotation at Stanford Hospital offers an intensive experience in the care of complex hepatobiliary and pancreatic diseases.

**Goals**

The goal of the HPB rotation is to provide the R-1 house-staff the means to: Gain the knowledge and experience in the inpatient and outpatient evaluation and management of patients with complex HPB and surgical oncology diseases.

The primary goals for the R1 resident:

- Develop understanding the perioperative assessment and risk stratification of patients requiring major surgery
- Gain experience in the day-to-day management of very complex inpatients after major abdominal surgery

The secondary goals for the R1 resident:

- Understand the principles preoperative cancer evaluation and staging
- Gain experience with the multi-modality treatment of cancer and the role of surgery in the context of other anti-cancer therapies

**Objectives**

The rotation has the following objectives:

- The HPB intern will function as a primary team member assuming direct responsibility for care and writing all orders on patients on the service and coordinating care with other services of who may be in a consultative role
- The intern will gain knowledge of surgical care through discussion on rounds with the attending physicians and senior residents, in addition to independent reading
- The intern will participate in daily conferences discussing Morbidity & Mortality conference, Grand Rounds, Core Course, Combined (SO 1, SO 2, and HPB) Thursday Case Conference, Gastrointestinal Tumor Board, and the Tuesday Hepatobiliary Tumor Board.
- Interns can expect daily teaching from members of the team, both at the bedside and informal sessions by senior residents and attendings. Interns will take overnight call as directed by the program and are expected to manage the patients with consultation as needed with the on-call senior/chief resident and either the responsible or on-call attending.

R-1 HPB Service interns are evaluated in the 6 core competencies (Medical knowledge, Patient care, Interpersonal communication skills, Professionalism, Practiced based learning and Systems based practice) using specific web-based evaluation forms. An outline of core competencies with rotation objectives, instructional activities, and evaluations is below.

Specific goals and objectives for residents

GOALS Core Competencies	R-1 OBJECTIVES	INSTRUCTIONAL ACTIVITIES	EVALUATION
<p><b>Knowledge:</b> To acquire and apply knowledge of established and evolving basic and applied clinical sciences that relate to the practice of HPB surgery and surgical oncology</p>	<ul style="list-style-type: none"> <li>• Gain experience in physical examination, diagnostic imaging studies, pre-operative evaluation and risk assessment, and post-operative patient monitoring.</li> <li>• Master the complex anatomy of the upper abdomen as is relevant to UGI and HPB surgery</li> <li>• Introduction to ultrasound, CT, and MR imaging of the abdomen.</li> <li>• Introduction to those IR studies that are essential in HPB Surgery (e.g., percutaneous cholangiogram, biliary drains)</li> <li>• Introduction to gastrointestinal endoscopy in reference to Surg Onc/HPB Surgery (e.g., ERCP)</li> </ul>	<p>Teaching by attending faculty and senior residents</p> <p>Independent reading</p> <p>Daily Conferences</p> <p>Daily inpatient rounds with an attending surgeon</p>	<p>Weekly feedback by senior resident/attending</p> <p>Formal rotation evaluation by attending physicians (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</p>
<p><b>Patient Care:</b> To provide compassionate, appropriate, and effective care to</p>	<ul style="list-style-type: none"> <li>• Evaluate and manage all inpatient HPB patients in conjunction with a junior resident, Chief Resident and Attending Surgeon.</li> <li>• Perform complete directed history and physical examinations on HPB surgery clinic patients 2-4 days per week depending on volume, review all accompanying clinical and image-based information regarding patients with appropriate resident/faculty supervision</li> </ul>	<p>Twice daily rounds with the HPB Surgery Team and Daily inpatient rounds with an attending surgeon</p>	<p>Weekly feedback by senior resident/attending</p> <p>Formal rotation evaluation by attending physicians (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</p>

<p><b>Effective Interpersonal and Communication skills:</b> Interns must communicate in a way that leads to effective information exchange of a bariatric care plan to patients, their families, and professional associates.</p>	<ul style="list-style-type: none"> <li>• Instruct medical students on routine floor responsibilities including rounding, patient note writing, orders, computed requisitions, and hospital protocols.</li> <li>• Discusses significant peri-operative concerns with team &amp; consultants.</li> <li>• Work effectively with nurses to communicate care plan.</li> </ul>	<p>Twice daily rounds with the HPB Team.</p> <p>Daily inpatient rounds with an attending surgeon.</p>	<p>Weekly feedback by senior resident/attending</p> <p>Formal rotation evaluation by attending physicians (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</p>
<p><b>Professionalism:</b> Residents must show a commitment to professional responsibilities, adherence to ethical principles and sensitivity to diversity.</p>	<ul style="list-style-type: none"> <li>• Learn to manage complex patient problems specifically related to relaying information to families regarding unexpected outcomes in a quaternary care hospital.</li> <li>• Acts with sensitivity and responsiveness to patient's culture, age, gender and disabilities.</li> <li>• Maintains accountability to patients, medical profession and society.</li> <li>• Obtains proper consent and confirm advanced directives, if present.</li> </ul>	<p>Twice daily rounds with the HPB Team.</p> <p>Multidisciplinary conferences.</p>	<p>Weekly feedback by senior resident/attending</p> <p>Formal rotation evaluation by attending physicians (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</p>
<p><b>Practice based learning and improvement:</b> In order to improve patient care practices, residents must be able to critically evaluate their own performance as well as appraise and incorporate clinical scientific evidence.</p>	<ul style="list-style-type: none"> <li>• To become proficient using the Goodman Surgical Simulator for basic general surgery procedures.</li> <li>• Identify complications and determine impact on recovery.</li> <li>• Use information technology to rapidly assimilate current medical literature as it relates to patient care.</li> </ul>	<p>Twice daily rounds with the HPB Team.</p> <p>Teaching Conferences.</p>	<p>Weekly feedback by senior resident/attending</p> <p>Formal rotation evaluation by attending physicians (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</p>

<p><b>Systems-based Practice:</b> A resident must be able to demonstrate an awareness of and responsiveness to the system of health care and the ability to effectively call on system resources to provide optimal care.</p>	<ul style="list-style-type: none"> <li>• Be introduced to outpatient assessment, risk stratification and surgical planning for complex surgical oncology procedures.</li> <li>• Learn to use care protocols and pathways to improve quality of care.</li> <li>• Act as an organizational problem solver for patients.</li> <li>• Understands how efficient patient care enables the hospital to deliver a wide range of patient care.</li> <li>• Understands how care practice affects staffing and health care costs.</li> </ul>	<p>Twice daily rounds with the HPB Team.</p> <p>Attendance in clinic with senior residents and attending surgeon.</p>	<p>Weekly feedback by fellow/chief resident/attending and monthly rotation evaluation by each MIS Surgery attending (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</p>
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