



# Curriculum Outline for Surgical Oncology

**2020 - 2021**

**SURGICAL COUNCIL ON RESIDENT EDUCATION**

1617 JOHN F. KENNEDY BOULEVARD  
SUITE 860  
PHILADELPHIA, PA 19103

INFO@SURGICALCORE.ORG  
WWW.SURGICALCORE.ORG

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# INTRODUCTION

## EXPLANATION OF THE CURRICULUM OUTLINE

The SCORE® Curriculum Outline for Complex General Surgical Oncology is a list of surgical oncology patient care topics to be covered over the course of a 24-month Surgical Oncology training program and represents core education in Complex General Surgical Oncology (CGSO). This list will be updated periodically to ensure that it remains contemporary.

The outline has been created with input from the Surgical Oncology Board of the ABS and the Society for Surgical Oncology to define the knowledge and skills to be acquired by a CGSO fellow by completion of training.

With help from these groups, modules have been developed to address each of the patient care topics, consisting of learning objectives with bullet points outlining what trainees should know, questions to assess their understanding of each topic, and links to other text resources for further study. Additional modules will be developed until all of the topics on the curriculum outline are covered. For more information, see [www.surgicalcore.org](http://www.surgicalcore.org).

## CLASSIFICATION SYSTEM

The patient care curriculum topics are organized into 15 disease-site and discipline-based categories. Within each category, the topics are further separated into Diseases/Conditions and Operations/Procedures. The topics are then stratified into two levels using the same classifications:

**CORE** – Diseases and procedures encountered in Complex General Surgical Oncology for which a graduate of training will possess significant knowledge and be able to provide comprehensive care, including procedural competency.

**ADVANCED** – Diseases and procedures that are not consistently part of Complex General Surgical Oncology practice for which a graduate of training should have sufficient knowledge to make a diagnosis and provide initial management. In some instances, graduates will have sufficient knowledge and experience to provide comprehensive care.

This curriculum is designed to be completed over the course of a 24-month Surgical Oncology Training Program and represents core education in Complex General Surgical Oncology.

## Category 1. Upper Gastrointestinal

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### Diseases/Conditions

#### CORE

- [Esophageal Cancer](#)
- [Small Bowel Cancer](#)
- [Stomach Cancer](#)

#### ADVANCED

- Upper GI Tract Polyps

### Operations/Procedures

#### CORE

- Esophageal Resection (Open and MIS)
- [Gastric Resections \(Open and MIS\)](#)
- [Small Bowel Resections \(Open and MIS\)](#)
- [Splenectomy for Hematologic Malignancy and Metastatic Disease \(Open and MIS\)](#)

#### ADVANCED

- [Diagnosis and Management of Barrett's Esophagus and Superficial \(T1\) Esophageal Cancers](#)
- Palliative Management of Locally-Advanced, Unresectable Esophageal Cancer

## Category 2. Hepato-Pancreato-Biliary

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### Hepatic

### Diseases/Conditions

#### CORE

- [Liver Mass](#)
- Liver Tumor: Benign
- [Liver Tumors: Primary Malignant](#)

### Operations/Procedures

#### CORE

- [Ablation of Liver Lesions](#)
- [Hepatic Biopsy and Intraoperative Ultrasound](#)
- [Major Hepatectomy](#)
- Non-anatomic Hepatic Resection

#### ADVANCED

- [Ex-vivo Resection/Transplantation for Hepatic Neoplasms](#)
- Liver-directed Therapy
- [Placement of a Hepatic Artery Infusion Pump](#)

## **Pancreas**

### **Diseases/Conditions**

#### **CORE**

- [Pancreas: Benign Disease](#)
- [Pancreas: Cystic Neoplasms](#)
- [Pancreatic Adenocarcinoma](#)
- [Pancreatic Neuroendocrine Tumors](#)

#### **ADVANCED**

- [Unusual Pancreatic Tumors](#)

### **Operations/Procedures**

#### **CORE**

- [Diagnostic Procedures for Pancreatic Disease](#)
- [Limited Resection for Pancreatic Disease](#)
- [Major Pancreatic Resections](#)

## **Biliary**

### **Disease/Conditions**

#### **CORE**

- [Cholangiocarcinoma](#)
- [Choledochal Cyst](#)
- [Gallbladder](#)
- [Gallbladder Cancer](#)
- [Pseudotumors of the Biliary Tree](#)

### **Operations/Procedures**

#### **CORE**

- [Extrahepatic Biliary Ductal Resection](#)
- [Radical Cholecystectomy](#)

## **Category 3. Colorectal**

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### **Diseases/Conditions**

#### **CORE**

- [Anal Cancer](#)
- [Appendiceal Tumors](#)
- [Colon Cancer](#)
- [Rectal Cancer](#)

#### **ADVANCED**

- [Colorectal Cancer Syndrome](#)

## **Operations/Procedures**

### **CORE**

- Anal Resections
- [Colon Resections, Open and MIS](#)
- [Colorectal → Cytoreduction/Cytoreduction Plus Hyperthermic Intraperitoneal Chemoperfusion](#)
- [Pelvic Exenteration](#)
- Rectal Resections (Open and MIS)

## Category 4. Cutaneous Oncology

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### **Diseases/Conditions**

#### **CORE**

- [Dermatofibrosarcoma Protuberans \(DFSP\)](#)
- [Management of In-transit Disease](#)
- [Management of Regional Nodal Disease from Melanoma](#)
- [Merkel Cell Carcinoma](#)
- [Non-Melanoma Skin Cancer](#)
- [Primary Melanoma](#)

#### **ADVANCED**

- [Non-Melanoma Pigmented Lesions and Atypical Spitzoid Lesions](#)

### **Operations/Procedures**

#### **CORE**

- Axillary Dissection
- [Complex Skin Closures](#)
- Inguinal-Inguinopelvic Lymphadenectomy
- [Isolated Regional Therapy](#)
- Modified Radical Neck Dissection (including Parotidectomy)
- [Popliteal and Epitrochlear Dissections](#)
- [Sentinel Lymph Node Biopsy](#)
- [Wide Local Excision/Closure](#)

## Category 5. Breast

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### **Diseases/Conditions**

#### **CORE**

- [Benign Breast Disease](#)
- [High Risk for Breast Cancer](#)
- [In Situ Breast Cancer](#)
- Invasive Breast Cancer (Early Stage)
- [Locally Advanced Breast Cancer \(Stage IIB/III\)](#)
- [Special Populations/Extremes of Breast Cancer](#)
- [Uncommon Breast Tumors](#)

**ADVANCED**

- [Breast Metastatic Disease](#)
- [Reconstruction Options](#)

**Operations/Procedures**

**CORE**

- [Hormonal Therapy](#)
- [Lymph Node Staging](#)
- [Partial Mastectomy](#)
- [Role of Breast Radiation Therapy](#)
- [Systemic Therapy](#)
- [Total Mastectomy](#)

Category 6. Soft Tissue and Bone Sarcoma

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**Diseases/Conditions**

**CORE**

- [Extremity and Trunk Sarcoma](#)
- [Gastrointestinal Stromal Tumor](#)
- [Retroperitoneal, Pelvic, and Abdominal Visceral Sarcomas](#)
- [Unusual and Rare Histologies](#)

**ADVANCED**

- [Sarcomas of the Breast and Gynecologic Tract](#)
- [Soft Tissue and Bone Sarcoma – Advanced Disease](#)

**Operations/Procedures**

**CORE**

- [Extremity and Trunk Sarcomas - Procedures](#)

Category 7. Peritoneal Surface Malignancies

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**Diseases/Conditions**

**CORE**

- [Peritoneal Surface Malignancy](#)

**Operations/Procedures**

**CORE**

- [Peritoneal Surface Malignancy Procedures](#)

## Category 8. Endocrine

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### Diseases/Conditions

#### CORE

- [Adrenal Mass](#)
- [Diagnosis and Evaluation of Thyroid Nodules](#)
- [Primary Hyperparathyroidism](#)

### Operations/Procedures

#### CORE

- [Adrenalectomy](#)
- [Parathyroidectomy](#)
- [Thyroidectomy and Lymphadenectomy](#)

## Category 9. Head and Neck

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### Diseases/Conditions

#### CORE

- [Head and Neck Malignancies and Concerns for the Surgical Oncologist](#)

## Category 10. Thoracic Malignancies

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### Diseases/Conditions

#### CORE

- [Thoracic Malignancies](#)

## Category 11. Genitourinary

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### Diseases/Conditions

#### ADVANCED

- [Genitourinary Malignancies and Concerns for the Surgical Oncologist](#)

## Category 12. Medical Oncology

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### Diseases/Conditions

#### CORE

- [Cytotoxic Chemotherapy](#)
- [Immunotherapeutic Agents](#)
- [Targeted Therapeutic Agents](#)

#### ADVANCED

- [Surgical Considerations in the Medical Oncology Patient](#)



## **Operations/Procedures**

### **CORE**

- [Insertion of Indwelling Chemotherapy Deliverance Devices](#)
- [Lymph Node Biopsy for Hematologic Malignancies](#)
- [Splenectomy for Hematologic Malignancies and ITP/TTP](#)
- Surgical Considerations in the Neutropenic Patient

### **ADVANCED**

- [Bone Marrow Biopsy](#)

## Category 13. Radiation Oncology

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### **Diseases/Conditions**

#### **ADVANCED**

- Radiation Oncology

## Category 14. Genetics

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### **Diseases/Conditions**

#### **CORE**

- [Surgical Management/Counseling for Genetic Syndromes](#)

## Category 15. Pathology

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### **Diseases/Conditions**

#### **CORE**

- [Pathology](#)