# **Colorectal 2017**

# Case Scenario 1

**History and Physical**

7/9/16 A 53-year-old man presented to the hospital last evening with bright red rectal bleeding. He stated that he had experienced left upper quadrant pain for about 1 week. On physical exam the abdomen was soft with bowel sounds present. The liver was not palpated and there was no rebound or guarding. Rectal exam showed a small amount of bright red blood.

**Laboratory**

CEA: 2.6 (normal < 3.0)

**7/9/16 Colonoscopy**

* Left sided colonoscopy found a constricting circumferential neoplastic mass at 60 cm, likely a carcinoma. Biopsy obtained.

**7/9/16 Pathology**

* Biopsy of lesion in descending colon: polyp with adenocarcinoma.

**7/10/16 Surgery**

* Exploratory laparotomy; left hemicolectomy with transverse sigmoidectomy; wedge resection, left lobe liver.
	+ Exploration of abdominal cavity revealed a normal stomach with no palpable abnormalities. Liver diffusely multinodular, possible metastatic lesions. There was a 4 cm mass in the sigmoid colon consistent with a carcinoma, with no gross evidence of extension through the bowel wall. No gross evidence of metastatic disease within the abdominal cavity.

**7/10/16 Pathology**

* Liver, wedge resection: Macronodular cirrhosis with mild inflammatory activity.
* Descending colon: no lesions.
* Sigmoid colon resection:
	+ Histology: Invasive, moderately to poorly differentiated adenocarcinoma with mucinous and signet ring cell subtypes.
	+ Extension: Tumor penetrates through the submucosa into the muscularis propria, but transmural extension is not identified.
* 0/6 regional lymph nodes are positive.

**Oncology Consult:**

* No chemotherapy recommended at this time.

|  |  |
| --- | --- |
| * **What is the primary site?**

**C18.7*** **What is the histology?**

**8210/3** | * **What is the grade/differentiation?**

**3** |
| **Stage/ Prognostic Factors** |
| Summary Stage | 1 - Localized | Tumor Size Summary | 040 |
| TNM Clin T | cTX | TNM Path T | pT2 |
| TNM Clin N | cNX | TNM Path N | pN0 |
| TNM Clin M | cM0 | TNM Path M | cM0 |
| TNM Clin Stage | 99 | TNM Path Stage | 1 |
| TNM Clin Descriptor | 0 | TNM Path Descriptor | 0 |
| TNM Clin Staged By | 00 | TNM Path Staged By | 20 |
| CS SSF 1 | 020 |  |  |
| CS SSF 2 | 999 | Regional Nodes Positive | 00 |
| CS SSF 4 | 000 | Regional Nodes Examined | 06 |
| CS SSF 6 | 999 | Mets at Dx - Bone | 0 |
| CS SSF 8 | 000 | Mets at Dx - Brain | 0 |
| CS SSF 9 | 999 | Mets at Dx - Liver | 0 |
|  |  | Mets at Dx - Lung | 0 |
|  |  | Mets at Dx - Other | 0 |
|  |  | Mets at Dx – Distant LN | 0 |
|  |  |  |  |
| **Treatment** |
| Diagnostic Staging Procedure | 02 |  |  |
| **Surgery Codes** |  | **Radiation Codes** |  |
| Surgical Procedure of Primary Site | 40 | Radiation Treatment Volume | 00 |
| Scope of Regional Lymph Node Surgery | 5 | Regional Treatment Modality | 00 |
| Surgical Procedure/ Other Site | 4 | Regional Dose | 00000 |
| **Systemic Therapy Codes** |  | Boost Treatment Modality | 00 |
| Chemotherapy | 00 | Boost Dose | 00000 |
| Hormone Therapy | 00 | Number of Treatments to Volume | 000 |
| Immunotherapy | 00 | Reason No Radiation | 1 |
| Hematologic Transplant/Endocrine Procedure | 00 | Radiation/Surgery Sequence | 0 |
| Systemic/Surgery Sequence | 0 |  |  |

# Scenario 2

8**/22/16**

**History and Physical**

A 57 year-old white male presented today for abdominal perineal resection. He originally presented 5/6/16 for a colonoscopy with a biopsy and was found to have a 4.2cm fungating tumor located in his rectum. A biopsy confirmed poorly differentiated adenocarcinoma. An MRI with contrast showed tumor in the rectum perforating the rectal wall and extending into the perirectal tissue. 7-8 perirectal lymph nodes are indicative of metastasis. Liver, spleen, pancreas, kidneys and adrenal glands did not show any abnormalities. His CEA was found to be elevated at 19.4 ng/ml.

Patient completed a full course of neoadjuvant chemotherapy and radiation and presents today for a transabdominal resection. Current CEA is 2.3 ng/ml.

**8/22/16**

**Pathology –Abdominal perineal resection**

Tumor Site**:**  Rectum

Tumor Size: .5cm

Histologic Type: Adenocarcinoma

Histologic Grade: Low grade

Tumor Extension: Tumor involves the lamina propria, but does not extent into the submucosa.

Proximal and Distal Margins: Uninvolved by invasive carcinoma

Circumferential Margin: Uninvolved by invasive carcinoma.

Lymph-Vascular Invasion: Not identified

Perineural invasion: Not identified

Tumor Deposits: Not identified

Number of Lymph Nodes Involved: 0

Number of Lymph Nodes Examined: 36

**8/25/16 Discharge Summary**

The patient is recovering from his surgery and has been discharged home.

***1/4/17 Follow-up Note***

The patient has just completed a full course of 5-FU, leucovorin, and oxaliplatin (FOLFOX).

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| --- | --- |
| * **What is the primary site?**

**C20.9*** **What is the histology?**

**8140/3 Adenocarcinoma** | * **What is the grade/differentiation?**

**3** |
| **Stage/ Prognostic Factors** |
| Summary Stage | 4 Reg and LN | Tumor Size Summary | 042 |
| TNM Clin T | cT3 | TNM Path T | pTis |
| TNM Clin N | cN2b | TNM Path N | pN0 |
| TNM Clin M | cM0 | TNM Path M | cM0 |
| TNM Clin Stage | 3C | TNM Path Stage | 0 |
| TNM Clin Descriptor | 0 | TNM Path Descriptor | 4 |
| TNM Clin Staged By | 20 | TNM Path Staged By | 20 |
| CS SSF 1 | 010 |  |  |
| CS SSF 2 | 120 | Regional Nodes Positive | 00 |
| CS SSF 4 | 000 | Regional Nodes Examined | 36 |
| CS SSF 6 | 991 | Mets at Dx - Bone | 0 |
| CS SSF 8 | 000 | Mets at Dx - Brain | 0 |
| CS SSF 9 | 999 | Mets at Dx - Liver | 0 |
|  |  | Mets at Dx - Lung | 0 |
|  |  | Mets at Dx - Other | 0 |
|  |  | Mets at Dx – Distant LN | 0 |
|  |  |  |  |
| **Treatment** |
| Diagnostic Staging Procedure | 02 |  |  |
| **Surgery Codes** |  | **Radiation Codes** |  |
| Surgical Procedure of Primary Site | 50 | Radiation Treatment Volume | 99 |
| Scope of Regional Lymph Node Surgery | 5 | Regional Treatment Modality | 98 |
| Surgical Procedure/ Other Site | 0 | Regional Dose | 99999 |
| **Systemic Therapy Codes** |  | Boost Treatment Modality | 98 |
| Chemotherapy | 03 | Boost Dose | 99999 |
| Hormone Therapy | 00 | Number of Treatments to Volume | 999 |
| Immunotherapy | 00 | Reason No Radiation | 0 |
| Hematologic Transplant/Endocrine Procedure | 00 | Radiation/Surgery Sequence | 2 |
| Systemic/Surgery Sequence | 4 |  |  |