

Colon & Rectum SSDI Effective 2018 dx and forward

Presented by Lori Somers, RN SHRI Video Training Series | Iowa Cancer Registry Recorded 1/2023





Grade Pathological #3844

Note 1: Cannot be blank

Note 2: Preferred grading system, generic categories do not apply. Code 9 if generic grade given for path. Do not use clinical grade in path grade.

Note 3: Assign highest grade from primary tumor

Note 4: Multiple tumors abstracted as one primary, with different grades, code highest grade

Note 5: G4 includes anaplastic







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Please note TYPO note 2 for yp

- Note 2: There is a preferred grading system for this schema. If the post therapy clinical grade given uses the preferred grading system and the post therapy pathological grade does not use the preferred grading system, do not record the Grade Post Therapy Clin (yp) should be (yc) in the Grade Post Therapy Path (yp) field. Assign Grade Post Therapy Path (yp) 9.
- PER FORUM 11/3/2022: This was a typo and will not be corrected until v3.0









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#3820 CEA PreTX Lab Value

Code	Description
0.0	0.0 nanograms/milliliter (ng/m) exactly
0.1- 9999.9	0.1-9999.9 ng/ml Exact value to nearest tenth in ng/ml
XXXX.1	10,000 ng/ml or greater
XXXX.7	Test ordered, results not in chart
XXXX.8	Not applicable
XXXX.9	Not documented in med rec, not assessed or unknown if assessed

#3819 CEA PreTX Interpretation

Code	Description	Code 3 when CEA value documented in
0	CEA neg/normal; within normal limits	record, but no
1	CEA pos/elevated	statement CEA is pos/neg/elevated/
2	Borderline	normal
3	Undetermined if pos or neg (normal van no MD interpretation	lues not avail AND
7	Test ordered, results not in chart	
8	Not applicable	
9	Not documented in med rec, not assesse	ed or unknown



CEA Examples

Text	#3820 Value	#3819 Interpretation
2-14-22 CEA: 2645 (high)	2645.0	1
3-17-22 CEA 0.50 (negative)	0.5	0
6-14-22 CEA 54 (<2.5)	54.0	1
7-4-22 CEA 18.35 (<2.5)	18.4	1
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#3934: Tumor Deposits

Code	Description
00	No tumor deposits
01-99	1-99 Tumor deposits (TD) Exact number of TD
X1	100 or more Tumor Deposits
X2	Tumor Deposits identified; number unknown
X8	No applicable
Х9	Not documented in record Cannot be determined by pathologist Pathology report does not mention tumor deposits No surgical resection done Tumor Deposits not assessed

#3909 Perineural Invasion

Note 1: Physician statement of microscopically confirmed perineural invasion can be used when no other info available.

Note 2: Code the presence or absence of perineural invasion by primary tumor as documented in path report

Note 3: Info on presence of perineural invasion can be taken from either biopsy or resection. Absence can only be taken from surgical resection path report.

Note 4: Code 9 if surgical resection done and no mention of PNI

		taken from resection
Code	Description	path report
0	Perineural invasion not identified/not present	
1	Perineural invasion identified/present {biopsy o	or resection}
8	Not applicable	
9	Not documented in medical record Path report does not mention perineural invasi Cannot be determined by pathologist Perineural invasion not assessed or unknown if c	
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#3823 Circumferential Resection Margin

Note 1: Physician statement can be used

Note 2: AJCC "CRM is distance in mm between deepest point of tumor invasion in primary cancer and the margin of resection in the retroperitoneum or mesentery"

Note 3: Coding surgery

- Colon primaries, surgery of pri site must be 30-80 If surgery 00-29, then CRM must be coded XX.7
- Rectal primaries, surgery of pri site must be 27, 30-80
 If surgery 00-26, 28, then CRM must be XX.7

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#3823 Circumferential Resection Margin

Note 4: Strong prognostic factor for local or systemic recurrence and survival after surgery

Note 5: CRM terms: circumferential radial margin, circumferential resection margin, mesenteric (mesocolon) (mesorectal) margin, radial margin, soft tissue margin. Per FORUM: mesenteric root also can be used.





#3823 Circumferential Resection Margin

Note 10: Exact measurement takes precedence over code 0.0 and those beginning with XX.

Example: CRM stated as 0.3 mm in final dx. Synoptic states radial margin involved by carcinoma. Code 0.3 mm instead of 0.0

#3823 Circumferential Resection Margin

Note 11: Code XX.9 when

- Tumor is in situ only /2
- Checked 'not applicable' on CAP
- Path report describes only distal or prox margins or 'margins NOS'
- Only specific statements of CRM collected in this data item. [may be in gross section]
- CRM not mentioned in record



#3823 Circum Resec Margin	
Code	Description
0.0	Circumferential resection margin (CRM) pos. Margin IS involved with tumor. Described as less than 1 mm.
0.1-99.9	Distance of tumor from margin: 0.1-99.9 mm Exact size to nearest tenth of mm
XX.0	100 mm or greater
XX.1	Margins clear, distance from tumor not stated. CRM or radial margin neg, NOS. No residual tumor
XX.2	Margins cannot be assessed **ONLY when path/CAP states margin cannot be assessed

#3823	Circum Resec Margin
Code	Description
XX.3	Described as 'at least' 1 mm
XX.4	Described as 'at least' 2 mm
XX.5	Described as 'at least' 3 mm
XX.6	Described as 'greater than' 3 mm
XX.7	No resection of primary site
XX.8	Not applicable
XX.9	Not documented in medical record; CRM not assessed. Checked "not applicable" on CAP checklist.

Question

Neoadjuvant example: Pt had pos colon biopsy. Neoadjuvant therapy followed by resection. Resection CRM was neg after neoadjuvant therapy. Can you use CRM? Yes. Manual does not state this has to be prior to neoadjuvant therapy. {JRUHL}

• <u>http://cancerbulletin.facs.org/forums/forum/site-specific-data-items-grade-2018/87099-crm-neoadjuvant-tx</u>











#3866 KRAS

Note 1: Physician statement of KRAS can be used to code this item when no other info avail Note 2: KRAS = oncogene that mutates and causes normal cells to become cancerous, often present in colorectal cancer Note 4: KRAS commonly done in metastatic setting Note 3: Next slide Note 3: Next slide Note 5: Results from nodal or met tissue may be used for KRAS Note 6: Record result from initial workup Note 7: If KRAS pos, no mention of mutated codon, or not specific, code 4. **Note 3:** There are 4 KRAS codons that are commonly mutated in colorectal cancers. This SSDI does not record the actual mutation, but instead records the codon or codon group that contains the mutation. If a specific KRAS mutation is reported, its codon may be identified from the following list of common KRAS mutations grouped by codon.

- Codon 12
 - Gly12Asp (GGT>GAT)
 - Gly12Val (GGT>GTT)
 - Gly12Cys (GGT>TGT)
 - Gly12Ser (GGT>AGT)
 - Gly12Ala (GGT>GCT)
 - Gly12 Arg (GGT>CGT)
 - Codon 12 mutation, not otherwise specified

- Codon 13
 - Gly13Asp (GGC>GAC)
 - Gly13Arg (GGC>CGC)
 - Gly13Cys (GGC>TGC)
 - Gly13Ala (GGC>GCC)
 - Gly13Val (GGC>GTC)
 - Codon 13 mutation, NOS
- Codon 61
 - Gln61Leu (CAA>CTA)
 - Gln61His (CAA>CAC)
 - Codon 61 mutation, NOS
- Codon 146
 - Ala146Thr (G436A) (GCA>ACA)

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Codon 146 mutation, NOS

#3866 KRAS	
0	Normal (wild type); neg for mutations
1	Abn (mutated) in codon(s) 12, 13, and/or 61
2	Abn (mutated) in codon 146 only
3	Abn (mutated) but not in codon(s) 12, 13, 61, 146
4	Abn (mutated), NOS, codon(s) not specified
7	Test ordered, not in chart
8	Not applicable
9	Not documented in med rec; KRAS not assessed or unknown if assessed

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KRAS & Neoadjuvant Therapy

Question: For colon and rectum, the SSDI field KRAS Note 5 states record the results from the initial workup((clinical and pathological workup). Please clarify if you code the KRAS after neoadjuvant therapy.

• J. Ruhl: I contacted some of the other SSDI work group members, and our ever faithful CAP representative responded. He presented several different scenarios that the SSDI work group will discuss, but overall, he felt that using KRAS data after neoadjuvant therapy is not reliable and should not be used. So, if the KRAS is done after the neoadjuvant therapy, do not use it.

https://cancerbulletin.facs.org/forums/forum/site-specific-data-items-grade-2018/107008-ssdi-kras-neoadjuvant-therapy



#38	90 MSI
0	Microsatellite instability (MSI) stable; microsatellite stable (MSS; neg, NOS; AND/OR Mismatch repair (MMR) intact, no loss of nuclear expression of MMR proteins
1	MSI unstable low (MSI-L)
2	MSI unstable high (MSI-H) AND/OR MMR-D (loss of expression of one or more MMR proteins
8	Not applicable
9	Not documented in record; MSI indeterminate; MSI not assessed or unknown if assessed.
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#3940 BRAF	
0	Normal, BRAF Neg, BRAF wild type Neg for somatic mutations
1	Abnormal (mutated)/detected: BRAF V600E (c.1799T>A) mutation
2	Abnormal (mutated)/detected:, but not BRAF V600E (c.1799T>A) mutation
4	Abnormal (mutated), NOS
7	Test ordered, results not in chart
8	Not applicable
9	Not documented in med record, BRAF not assessed or unknown if assessed
<black></black>	N/A – Diagnosis year is prior to 2021

#3941 NRAS

Note 1: Effective for dx years 2021+ (leave blank for 2018-2020)

Note 2: MD statement of NRAS can be used

Note 3: NRAS primarily performed for patients with mets

Note 4: NRAS is an oncogene that when mutates can cause normal cells to become cancerous, often present in colorectal cancer



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#3941 NRAS	
0	Normal, NRAS negative; NRAS wild type Negative for somatic mutations, no alterations
1	Abnormal (mutated)/detected in codon(s) 12, 13, and/or 61
2	Abnormal (mutated)/detected, codon(s) specified but not in codon(s) 12, 13, or 61
4	Abnormal (mutated), NOS, codon(s) not specified
7	Test ordered, results not in chart
8	Not applicable
9	Not documented in medical record, NRAS not assessed or unknown if assessed
<blank></blank>	N/A – Diagnosis year is prior to 2021
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