Learning Objectives

• Understand rationale behind changes and updates

• Understand use of codes and reporting

• Determine proper code use for accurate reporting

• Understand finding specific documentation
  – SSFs
  – Coding rules

Outline

• Overview of the following schemas:
  – Bladder
  – Kidney Parenchyma
  – Testis

• Review Collaborative Stage data items for schemas

• Describe changes to schemas in CSv2
Bladder Histologies

- Papillary Transitional Cell Carcinomas (67.9%)
- Transitional Cell Carcinomas, NOS (25.0%)
- Carcinoma, NOS (1.5%)
- Squamous Cell Carcinoma, NOS (1%)

- Note: Many Bladder tumors have multiple histologies

Bladder

- AJCC 7th edition stage derived from:
  - T (CS Extension)
  - N (CS Lymph Nodes)
  - M (CS Mets at Dx)
  - Eval codes (for clinical/pathologic staging)
- No site specific factors or extra tables used for AJCC 7th edition staging
  - AJCC 6th edition uses SSF 2 and extra tables due to changes in staging for lymph nodes

Bladder CS Extension-Notes

- Noninvasive papillary carcinomas
  - Listing of definite statements
  - Listing of inferred descriptions
  - Extended Note 3 for in situ
  - Extended Note 3 for locally invasive
- Expanded notes for coding extension
  - Several notes moved around
  - Notes rewritten to clarify instructions
Bladder CS Extension

- OBSOLETE Codes (Automatically converted)
  - 200 (v0200): See code 240
  - 400 (v0203): See code 430
  - 410 (v0203): See code 411
  - 415 (v0203): See code 411
  - 420 (v0203): See code 421
  - 450 (v0200): See code 810

Bladder CS Extension OBSOLETE Code 600

- Extension to distal ureter divided into:
  - Code 165: Subepithelial connective tissue of bladder and/or distal ureter
  - Code 215: Superficial muscle of bladder and/or distal ureter
  - Code 235: Deep muscle or extension through wall of bladder and/or distal ureter
  - Code 245: Muscle (muscularis propria) invaded, NOS of bladder and/or distal ureter

- Code 630
  - Prostatic stroma; Prostate, Ureter (excluding distant ureter), NOS; Urethra

Bladder CS Extension OBSOLETE Codes 730/801

- Code 730 divided into:
  - Code 673: Rectum, male
  - Code 710: Pubic bone
  - Code 715: 700 (bladder is fixed) + 673
  - Code 720: (710 or 700) + 677

- Code 801 divided into:
  - Code 677: large intestine (includes rectum, female)
  - Code 720: (710 or 700) + 677
  - Code 802: Further contiguous extension
Bladder CS Lymph Nodes

- CS Lymph Node
  - N1: single positive node
  - N2: multiple positive nodes
  - N3: common iliac node involvement

- Common Iliac Nodes
  - Coded in CS Lymph nodes for 7th edition
  - Previously coded in CS Mets at Dx

- Code 150: SINGLE named regional nodes (N1)
- Code 250: MULTIPLE named regional nodes (N2)
- Code 350: Common iliac nodes/Stated as N3
  - Previously collected in CS Mets at Dx (code 10)
- Code 400: Code 350 + 150 (N3)
- Code 450: Code 350 + 250 (N3)
- Code 505: Regional Lymph Nodes NOS (N1)
- Code 800: Lymph Nodes, NOS (N1)

Bladder CS Mets at Dx

- Code 10 OBSOLETE: Common iliac nodes moved to lymph nodes (codes 350, 400, 450)
- Code 50 OBSOLETE: Combination code with code 10
- Code 55: New combination code for distant lymph nodes (code 11) and distant mets (code 40)
- Code 60: New code
  - Distant metastasis, NOS
  - Stated as M1 with no other information on metastases
Bladder Site-Specific Factors

- SSF1: WHO/ISUP Grade
- SSF2: Size of Metastasis in Lymph Node
- SSF3: Extranodal Extension

Bladder Site-Specific Factor 1: WHO/ISUP Grade

- Histologic grade is prognostic factor for cancers of lower urinary tract
- Higher grade means poorer outcome
- Source of information: pathology report
- Collected also for Kidney Renal Pelvis

Bladder Site-Specific Factor 1: WHO/ISUP Grade

- 010 Low grade urothelial carcinoma
- 020 High grade urothelial carcinoma
- 987 Not applicable; morphology is NOT urothelial
  - Histology is NOT 8120-8131
- 998 No histologic examination of primary site
- 999 Unknown, not documented in record
  - Grade described as grade ii, grade III
  - Grade described as well, mod or poor diff
Bladder Site-Specific Factor 2: Size of metastases in lymph nodes

- Survival impacted by size of lymph nodes
- Applicable for clinical or pathologic
  - Pathologic takes priority
- Source documents:
  - Clinical (imaging, physical exam)
  - Pathologic (pathology report)
- Collected for: Bladder, Kidney Parenchyma, Testis

Bladder Site-Specific Factor 2: Size of Metastasis in Lymph Nodes

- 000 No regional lymph nodes involved
- 001-979 Code actual size in millimeter’s
- 980 Size of lymph node greater than 980 mm
- 990 Microscopic focus or foci, no size focus given
- 991-997 Range/size codes
- 999 Unknown

Bladder Site-Specific Factor 3: Extranodal Extension of Regional Lymph Nodes

- Survival impacted by extranodal extension
- Applicable for clinical or pathologic
  - Pathologic takes priority
- Source documents:
  - Clinical (imaging, physical exam)
  - Pathologic (pathology report)
- Also collected for Kidney Parenchyma
Bladder Site-Specific Factor 3: Extranodal Extension of Regional Lymph Nodes

- 000 No regional lymph nodes involved
- 010 Extranodal extension not present
- 020 Extranodal extension present
- 030 Regional nodes involved, unknown if extranodal extension
- 999 Unknown

Kidney Parenchyma Histologies

- Clear cell adenocarcinoma – 40.6%
- Renal cell carcinoma-34.0%
- Papillary adenocarcinoma-7.8%
- Renal cell carcinoma, chromophobe type-3.5%
- Other histologies-14.1%

- Note: Many Kidney Parenchyma tumors have multiple histologies

Kidney Parenchyma

- AJCC 7th edition stage derived from:
  - T (CS Tumor Size and CS Extension)
    - Extension Size Table used to determine T
  - N (CS Lymph Nodes)
  - M (CS Mets at Dx)
  - Eval codes (for clinical/pathologic staging)
- No site specific factors used for AJCC 7th edition staging
Kidney Parenchyma CS Tumor Size

- T2 divided into T2a and T2b
- “Stated as” codes for Tumor Size
  - Code 994: Stated as T1a
  - Code 995: Stated as T1b
  - Code 996: Stated as T1 [NOS]
  - Code 997: Stated as T2 [NOS] or T2a
  - Code 998: Stated as T2b

Kidney Parenchyma CS Extension Notes

- Note 2: Gerota’s fascia
- Note 3: Invasion beyond the capsule
- Note 4: “In situ of renal parenchyma”
- Note 5: Use of code 300
- Note 6: T1 and T2 tumors with tumor size
- Note 7: Direct extension to other structures

Kidney Parenchyma CS Extension

- Ipsilateral adrenal involvement upstaged
  - Reclassified as T4 for contiguous invasion
  - Reclassified as M1 for non-contiguous invasion
- Renal vein involvement downstaged
  - Reclassified as T3a
- “Stated as” Extension codes
  - 310 (T1a), 320 (T1b), 330 (T1 [NOS])
  - 340 (T2a), 350 (T2b), 360 (T2 [NOS])
  - 605 (T3a), 610 (T3b), 620 (T3c), 625 (T3 [NOS])
  - 810 (T4)
Kidney Parenchyma CS Extension

• OBSOLETE Codes
  – 390 (v0200): See code 625
  – 400 (v0200): See codes 450 and 630
  – 450 (v0203): See codes 460 and 660
  – 600 (v0200): See codes 601 and 610
  – 800 (v0203): See CS Extension codes 460, 601, 610-750, 801; CS Mets at Dx codes 20, 55

Kidney Parenchyma CS Extension Code 450

• Obsolete Data Reviewed in v0203
  – Cases reassigned to code 460 or 660
• Code 460
  – Perirenal (perinephric) tissue fat; renal (Gerota’s) fascia, Renal sinus fat
• Code 660
  – Retroperitoneal soft tissue

Kidney Parenchyma CS Extension Code 800

• Obsolete Data Reviewed in v0203
  – Cases reassigned to extension codes 460, 601, 610-750, 801
  – CS Mets at Dx 20, 55
• Code 800
  – Further contiguous extension:
    • Aorta
    • Other direct extension
Kidney Parenchyma CS Lymph Nodes
• OBSOLETE codes
  – Code 150 (v0203) See code 210
  – Code 400 (v0203) See codes 200 and 210
• Code 200
  – MULTIPLE regional lymph nodes from code 100
• Code 210
  – MULTIPLE regional lymph nodes from code 110, with or without nodes from code 100
• Code 700: Regional lymph nodes, NOS
• Code 800: Lymph nodes, NOS

Kidney Parenchyma CS Mets at Dx-NEW
• Code 00: No distant mets
• Code 10: Distant lymph nodes
• Code 20: Extension to contralateral kidney
• Code 40: Non contiguous ipsilateral adrenal
• Code 50: OBSOLETEd code
• Code 55: (40 or 20) + 10
• Code 60: Distant metastasis, NOS
• Code 99: Unknown

Kidney Parenchyma Site Specific Factors
• SSF1: Invasion Beyond Capsule
• SSF2: Vein Involvement
• SSF3: Ipsilateral Adrenal Gland Involvement
• SSF4: Sarcomatoid Features
• SSF5: Histologic Tumor Necrosis
• SSF6: Fuhrman Nuclear Grade
• SSF7: Size of Metastasis in Lymph Nodes
• SSF8: Extranodal Extension
Kidney Parenchyma Site-Specific
Factor 1: Invasion beyond capsule

- Survival outcomes differ by location of involved extracapsular structures
- Information also collected in extension (T3)
- SSF provides more specificity on direction of invasion
- Source document: Pathology report

Kidney Parenchyma Site-Specific
Factor 1: Invasion beyond capsule

- Code 000: Not present/not identified
- Code 010: Lateral invasion
- Code 020: Medial invasion
- Code 030: 020 + 010
- Code 991: Invasion beyond capsule, NOS
- Code 998: No surgical resection of primary site
- Code 999: Unknown

Kidney Parenchyma Site-Specific
Factor 2: Vein Involvement

- Survival outcome impacted by vein involvement
- Tumor cells disseminate easily in the bloodstream
- Information also collected in extension (T3)
- SSF provides more specificity on vein involvement
- Source document: Pathology report
Kidney Parenchyma Site-Specific Factor 2: Vein Involvement

- Code 000: Not present/not identified
- Code 010: Involvement of renal vein only
- Code 020: Involvement of IVC below diaphragm
- Code 030: Involvement of IVC above diaphragm
- Code 040: Involvement of IVC, NOS only
- Code 050-090: Combination codes of 010-040
- Code 998: No surgical resection of primary site
- Code 999: Unknown

Kidney Parenchyma Site-Specific Factor 3: Ipsilateral Adrenal Gland Involvement

- Involvement of ipsilateral adrenal gland (same side) is an adverse prognostic factor
  - Contiguous involvement also coded in extension (Codes 630-645, map to T4)
  - Noncontiguous involvement also coded in Mets at Dx (Code 40)
- Source document: Pathology report

Kidney Parenchyma Site-Specific Factor 3: Ipsilateral Adrenal Gland Involvement

- Code 000: Not present/not identified
- Code 010: Contiguous involvement
- Code 020: Non contiguous involvement
- Code 030: 020 + 010
- Code 040: Involvement of ipsilateral adrenal gland, not stated whether contiguous or noncontiguous
- Code 999: Unknown
Kidney Parenchyma: Site-Specific Factor 4: Sarcomatoid Features

- Sarcomatoid or spindle cell features are strong adverse prognostic factors
- Source documents: Pathology report

Kidney Parenchyma: Site-Specific Factor 4: Sarcomatoid Features

- Code 000: Not present/not identified
- Code 010: Present/identified
- Code 987: Not a renal cell carcinoma morphology
- Code 998: No pathologic exam of primary site
- Code 999: Unknown

Kidney Parenchyma: Site-Specific Factor 5: Histologic Tumor Necrosis

- Necrosis indicates an aggressive tumor
  - Outgrown blood supply
- An adverse prognostic factor for renal cell carcinoma
- Source document: Pathology report
Kidney Parenchyma Site-Specific Factor 5: Histologic Tumor Necrosis

- Code 000: Not present/not identified
- Code 010: Present/identified
- Code 998: No pathologic exam of primary site
- Code 999: Unknown

Kidney Parenchyma Site-Specific Factor 6: Fuhrman Nuclear Grade

- Nuclear grade of a kidney tumor, most important prognostic factor after tumor size
- Grade based on nuclear size and shape and prominence of nucleoli in the tumor cells
- Applies to renal cell carcinoma only
- Source document: Pathology Report

Kidney Parenchyma Site-Specific Factor 6: Fuhrman Nuclear Grade

- Code 010: Grade 1
- Code 020: Grade 2
- Code 030: Grade 3
- Code 040: Grade 4
- Code 987: Not a renal cell carcinoma morphology
- Code 998: No histologic exam of primary site
- Code 999: Unknown
Testis Histologies

- Germ cell tumors – 95%
  - Seminoma
  - Mixed germ cell tumors
  - Embryonal carcinoma
  - Choriocarcinoma and other germ cells
  - Germ cell tumors, non seminomatous
  - Teratomas
  - Yolk sac tumors
- Sex cord/gonadal stromal tumors
- Note: Many Testis tumors have multiple histologies

Testis

- AJCC 7th edition stage derived from:
  - T (CS Extension, SSF 4: Radical Orchiectomy, Lymph vascular invasion)
  - N (CS Lymph Nodes, Regional nodes positive, SSF 5: Size of mets in lymph nodes)
  - M (CS Mets at Dx)
  - S (SSF’s 13, 15, 16: Post orchiectomy Serum Tumor Markers ranges)
  - Eval codes (for clinical/pathologic staging)

Testis CS Extension

- Codes 100 and 150 OBSOLETE
  - Invasive tumor with/without vascular lymphatic invasion
    - See code 160
    - Lymph vascular invasion collected in new data item
- Codes 400 and 450 OBSOLETE
  - Epididymis involved with/without vascular lymphatic invasion
    - See code 460
    - Lymph vascular invasion collected in new data item
Testis and LVI

- Presence of LVI will increase the stage for T1 tumors
- Example:
  - Tumor limited to testis and epididymis with no LVI would be a T1.
  - Tumor limited to testis and epididymis with LVI would be a T2.

Testis CS Extension

- "Stated as" codes added
  - Code 320: Stated as T1
  - Code 330: Stated as T2
  - Code 550: Stated as T3
  - Code 810: Stated as T4

Testis CS Lymph Nodes

- Regional Lymph nodes
  - Codes: 100, 200
  - Codes 300, 350 and 400
    - Use only with previous scrotal or inguinal surgery
  - Codes 500, 800
- "Stated as" codes added
  - Code 510: Stated as N1
  - Code 520: Stated as N2
  - Code 530: Stated as N3
Testis: Deriving N

- CS Lymph Nodes
- Regional nodes positive
- SSF 5: Size of Metastasis in Lymph nodes
  - Codes 010-030: Size of lymph nodes in three groups (less than 2 cm, 2-5 cm, greater than 5 cm)
  - Code 999: Size of lymph not known, or unknown if regional nodes involved
- Lymph Node Eval Code
  - Clinical eval: 0, 1, 5, 9
  - Pathologic eval: 2, 3, 6, 8

Testis CS Mets at Dx

- Stated as codes
  - Code 30: New code, Stated as M1a
  - Code 40: Stated as M1b added to definition
  - Code 60: New code, Stated as M1 [NOS]
- Distant lymph nodes
  - Collected in codes 11 and 12
  - If previous scrotal or inguinal surgery, use CS Lymph nodes to code lymph node involvement
  - If unknown if previous scrotal or inguinal surgery, use CS Mets at Dx for distant lymph nodes

Testis Site Specific Factors

- SSF1-SSF 3: OBSOLETE for CSv2
- SSF4: Radical Orchiectomy Performed
- SSF5: Size of Metastasis in Lymph Nodes
- SSF 11: OBSOLETE for CSv0203
- SSF’s 6, 7, 12, 13: AFP lab values/ranges
- SSF’s 8, 9, 14, 15: hCG lab values/ranges
- SSF’s 10, 16: LDH ranges
Testis Site-Specific Factor’s: The Serum Tumor Markers

<table>
<thead>
<tr>
<th>Serum Tumor Marker</th>
<th>Pre-orchiectomy</th>
<th>Post-orchiectomy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Value</td>
<td>Range</td>
</tr>
<tr>
<td>AFP</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>hCG</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>LDH</td>
<td>n/a</td>
<td>10</td>
</tr>
</tbody>
</table>

**Testis: SSF’s 6, 7, 12 & 13**

- **Alpha fetoprotein (AFP)**
  - Assess the patient’s metastatic tumor burden
  - Useful in monitoring response to therapy
    - A persistent elevated AFP indicates residual tumor
  - Post-orchiectomy AFP used in the derivation of S
- **Source documents:**
  - Clinical lab reports (blood or serum test), H&P, clinical statement in path report

**Testis: SSF’s 8, 9, 14, 15**

- **Human chorionic gonadotropin (hCG)**
  - Hormone produced by some germ cell tumors
  - Presence of beta-hCG indicates malignancy
  - Useful in monitoring response to therapy
    - 5-8 days after orchiectomy, hCG should not be detectable
  - Post-orchiectomy hCG used in the derivation of S
- **Source documents:**
  - Clinical lab reports (blood or serum test), H&P, clinical statement in path report
Testis Site-Specific Factor’s 10 & 16:
Pre and Post Orchiectomy LDH Range

- Lactate dehydrogenase (LDH)
  - This value is non-specific for testicular cancer
  - Not routinely performed unless bulky disease evident
  - Post-orchiectomy LDH used in the derivation of S

- Source documents:
  - Clinical lab reports (blood or serum test), H&P, clinical statement in path report

Testis SSF’s 6 (AFP), 8 (hCG):
Coding Structure (Pre-Orch Lab Value)

<table>
<thead>
<tr>
<th>Code</th>
<th>Definition</th>
<th>Use when:</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
<td>0 nano/ milliliter</td>
<td>Lab value is 0</td>
</tr>
<tr>
<td>001-200/250</td>
<td>Lab Values</td>
<td>Lab value given</td>
</tr>
<tr>
<td>995</td>
<td>Pre-treated case (neoadjuvant therapy)</td>
<td>Neoadjuvant therapy given before Rad Orch (pre-orch lab values coded in SSF’s 12, 14) Code TS ExtEval code as 5 or 6</td>
</tr>
<tr>
<td>996</td>
<td>No orchiectomy performed</td>
<td>No orchiectomy performed (pre-orch lab values coded in SSF’s 12, 14) Code SSF 4 as 000 (No Rad Orch)</td>
</tr>
<tr>
<td>997</td>
<td>Test ordered, results not in chart</td>
<td>Example: Lab value noted to be “wnl” or “elevated” but value not given</td>
</tr>
<tr>
<td>998</td>
<td>Test not done</td>
<td>Facility/doctor’s office did not perform test</td>
</tr>
<tr>
<td>999</td>
<td>Unknown, not documented</td>
<td>No documentation in record</td>
</tr>
</tbody>
</table>

Testis SSF’s 7 (AFP), 9 (hCG), 10 (LDH):
Coding Structure (Pre-Orch Range)

<table>
<thead>
<tr>
<th>Code</th>
<th>Definition</th>
<th>Use when:</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
<td>Within normal limits</td>
<td>Lab value available and is “WNL”</td>
</tr>
<tr>
<td>010-030</td>
<td>Ranges</td>
<td>Code the appropriate range</td>
</tr>
<tr>
<td>991</td>
<td>Pre-orchiectomy stated as elevated</td>
<td>Lab value not available, but stated to be “WNL”</td>
</tr>
<tr>
<td>992</td>
<td>Pre-orchiectomy unknown Serum Tumor Markers “WNL”</td>
<td>Lab values not available for ALL Serum Tumor Markers, but stated to be “WNL” (code 7, 9 and 10 as 992)</td>
</tr>
<tr>
<td>993</td>
<td>Pre-orchiectomy unknown Serum Tumor Markers “elevated”</td>
<td>Lab values not available for ALL Serum Tumor Markers, but stated to be elevated (code 7, 9 and 10 as 993)</td>
</tr>
</tbody>
</table>
### Testis SSF’s 7 (AFP), 9 (hCG), 10 (LDH):
#### Coding Structure (Pre-Orch Range, cont.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Definition</th>
<th>Use when</th>
</tr>
</thead>
<tbody>
<tr>
<td>995</td>
<td>Pre-treated case (neoadjuvant therapy)</td>
<td>Neoadjuvant therapy given before surgery (code pre-orch range in SSF’s 13, 15, 16)</td>
</tr>
<tr>
<td>996</td>
<td>No orchietomy performed</td>
<td>No orchietomy done (code pre-orch range in SSF’s 13, 15, 16)</td>
</tr>
<tr>
<td>997</td>
<td>Test ordered, results not in chart</td>
<td>Test done, results not available, or lab value provided, but interpretation not available</td>
</tr>
<tr>
<td>998</td>
<td>Test not done</td>
<td>Facility or doctor’s office did not perform test</td>
</tr>
<tr>
<td>999</td>
<td>Unknown, not documented</td>
<td>No documentation in record</td>
</tr>
</tbody>
</table>

### Testis SSF’s 12 (AFP), 14 (hCG):
#### Coding Structure (Post-Orch Lab Value)

<table>
<thead>
<tr>
<th>Code</th>
<th>Definition</th>
<th>Use when</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
<td>0 nanograms/milliliter</td>
<td>Lab value is 0</td>
</tr>
<tr>
<td>001-250</td>
<td>Lab Values</td>
<td>Lab value given</td>
</tr>
<tr>
<td>997</td>
<td>Test ordered, results not in chart</td>
<td>Example: Lab value noted to be “wnl” or “elevated” value not given</td>
</tr>
<tr>
<td>998</td>
<td>Test not done</td>
<td>Facility/doctor’s office did not perform test</td>
</tr>
<tr>
<td>999</td>
<td>Unknown, not documented</td>
<td>No documentation in record</td>
</tr>
</tbody>
</table>

**Remember:** For cases with no Radical Orchiectomy or neoadjuvant therapy, code the pre-orchiectomy lab values in SSF’s 12 and 14.

### Testis SSF’s 13 (AFP), 15 (hCG), 16 (LDH):
#### Coding Structure (Post-Orch Range)

<table>
<thead>
<tr>
<th>Code</th>
<th>Definition</th>
<th>Use when</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
<td>Within normal limits</td>
<td>Lab value available and is WNL</td>
</tr>
<tr>
<td>010-030</td>
<td>Ranges</td>
<td>Code the appropriate range</td>
</tr>
<tr>
<td>990</td>
<td>Post-orch unk, but pre-orch value “WNL.”</td>
<td>Code when post-orch value unk, pre-orch WNL (Code 000)</td>
</tr>
<tr>
<td>991</td>
<td>Post-orch stated as still elevated</td>
<td>Code when post-orch value elevated, post-orch value is still elevated</td>
</tr>
<tr>
<td>992</td>
<td>Post-orch unknown, Serum Tumor Markers “WNL.”</td>
<td>Lab values not available for ALL Serum Tumor Markers, but stated to be WNL (code 13, 15, 16 as 992)</td>
</tr>
<tr>
<td>993</td>
<td>Post-orch unknown, Serum Tumor Markers “elevated” Stated as Stage IIS</td>
<td>Lab values not available for ALL Serum Tumor Markers, but stated to be elevated (code 7, 8, 10 as 993)</td>
</tr>
</tbody>
</table>
Testis SSF’s 13 (AFP), 15 (hCG), 16 (LDH): Coding Structure (Pre-Orch Range, cont.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Definition</th>
<th>Use when:</th>
</tr>
</thead>
<tbody>
<tr>
<td>997</td>
<td>Test ordered, results not in chart</td>
<td>Test done, results not available, or lab value provided, but interpretation not available</td>
</tr>
<tr>
<td>998</td>
<td>Test not done</td>
<td>Facility or doctor’s office did not perform test</td>
</tr>
<tr>
<td>999</td>
<td>Unknown, not documented</td>
<td>No documentation in record</td>
</tr>
</tbody>
</table>

*Remember: For cases with no Radical Orchiectomy or neoadjuvant therapy, code the pre-orchiectomy ranges in SSF’s 13, 15 and 16*

Testis: The S component of staging

<table>
<thead>
<tr>
<th>Serum Tumor Markers</th>
<th>S0</th>
<th>S1</th>
<th>S2</th>
<th>S3</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFP</td>
<td>0-40</td>
<td>&lt;1,000</td>
<td>1,000-10,000</td>
<td>&gt;10,000</td>
</tr>
<tr>
<td>hCG</td>
<td>&lt; 0.8 (M)</td>
<td>&lt;5,000</td>
<td>5,000-50,000</td>
<td>&gt;50,000</td>
</tr>
<tr>
<td>LDH</td>
<td>105-333</td>
<td>&lt;1.5N</td>
<td>1.5N-10N</td>
<td>&gt;10N</td>
</tr>
</tbody>
</table>

• Based on post-orchiectomy ranges (SSF’s 13, 15 and 16) and before 2nd line of treatment (if needed)
• Tumor markers should decrease after radical orchiectomy
• Persistence of elevated tumor levels indicate presence of tumor, which may result in 2nd course of treatment

Testis: Coding the Serum Tumor Markers when no Radical Orchiectomy

• Determining S stage when no orchiectomy
  – Code the pre-orchiectomy levels (initial serum tumor marker range) in these SSF’s
  – In the pre-orchiectomy SSF’s, code 996
  – Example:
    • Initial hCG value is 9,200 ng/ml
    • No orchiectomy done due to comorbidities (SSF 4=000)
    • SSF 6 (Pre-Orchiectomy AFP Lab Value): 996
    • SSF 7 (Pre-Orchiectomy AFP Range): 996
    • SSF 12 (Post-Orchiectomy AFP Lab Value): 190
    • SSF 13 (Post-Orchiectomy AFP Range): 620
CAnswer Forum

• Submit questions to CS Forum
  – Located within the CAnswer Forum
  – Provides information for all
  – Allows tracking for educational purposes
  – Includes archives of Inquiry & Response System

• CS Forum: http://cancerbulletin.facs.org/forums/
• CS Web Site: www.cancerstaging.org/cstage