

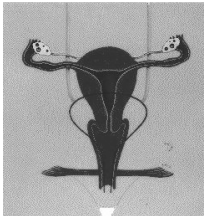


**NAACCR Central Registry
Webinar Series**

Shannon Vann, CTR
Jim Hofferkamp, CTR





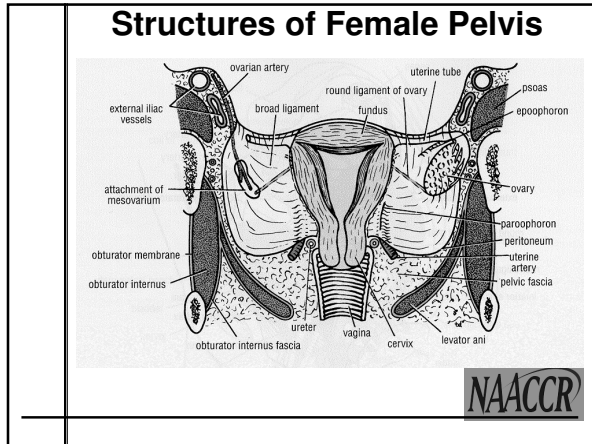
**Female Reproductive
System Cancer Surveillance
Data Collection**

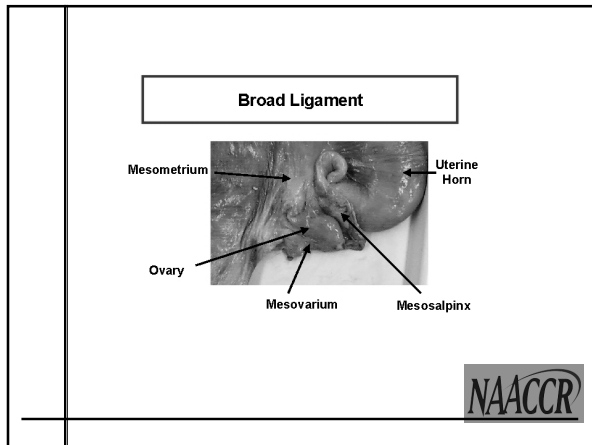


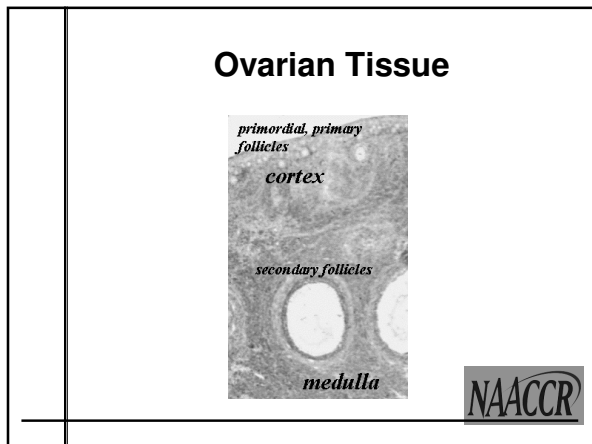
Portions of this presentation include materials developed by the Collaborative Staging Steering Committee.. ajcc@facs.org

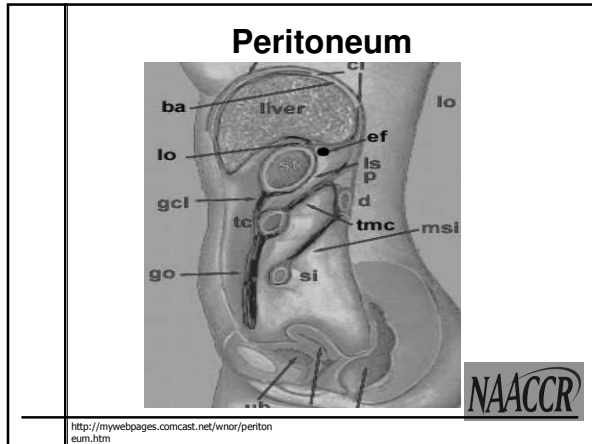
Overview of the Ovary

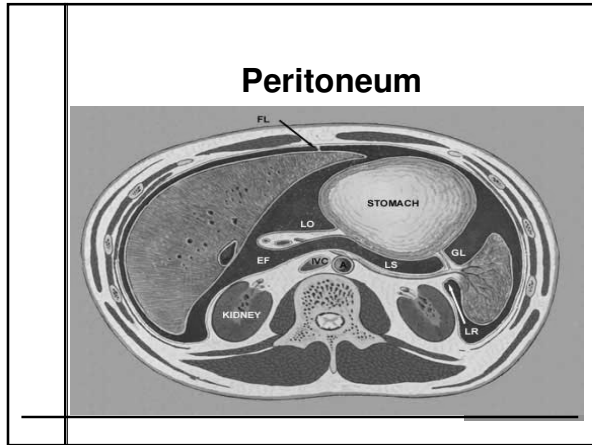


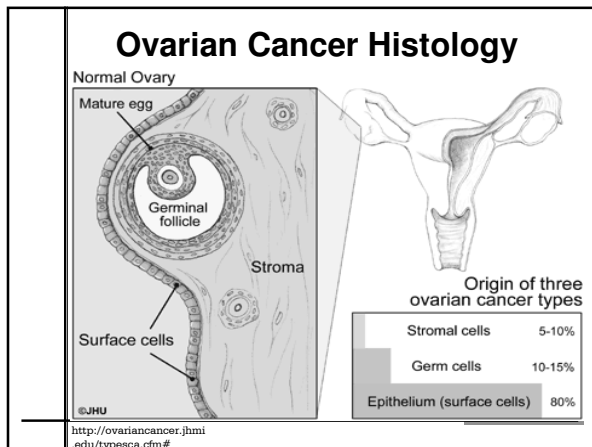














Pelvic Organs

- ◆ Adnexae - *"appendages" of the uterus, namely the ovaries, Fallopian tubes and ligaments that hold the uterus in place*
- ◆ Bladder
- ◆ Bladder Serosa
- ◆ Broad Ligament
- ◆ Cul-de-sac
- ◆ Fallopian Tubes
- ◆ Parametrium
- ◆ Pelvic Peritoneum
- ◆ Pelvic wall
- ◆ Rectum
- ◆ Sigmoid Colon
- ◆ Sigmoid Mesentary
- ◆ Ureter
- ◆ Uterus
- ◆ Uterine Serosa




Abdominal Organs


- ◆ Abdominal Mesentary
- ◆ Diaphragm
- ◆ Gallbladder
- ◆ Infracolonic omentum
- ◆ Kidneys
- ◆ Large Intestine
 - ◆ Except rectum and sigmoid
- ◆ Liver (peritoneal surface only)
- ◆ Omentum
- ◆ Pancreas
- ◆ Pericolonic gutter
- ◆ Peritoneum, NOS
- ◆ Small Intestine
- ◆ Spleen
- ◆ Stomach
- ◆ Ureters




Collaborative Staging for Ovarian Cancer




CS Tumor Size Ovary	
<u>Code</u>	<u>Description</u>
000	No mass/tumor found
001-988	Exact size in millimeters
989	989 mm or larger
990	Microscopic focus
991	Described as 'less than 1 cm'
992	Described as 'less than 2 cm' or 'greater than 1 cm' or 'between 1 cm and 2 cm'



CS Tumor Size Ovary	
<u>Code</u>	<u>Description</u>
993	Described as 'less than 3 cm' or 'greater than 2 cm' or 'between 2 cm and 3 cm'
994	Described as 'less than 4 cm' or 'greater than 3 cm' or 'between 3 cm and 4 cm'



CS Tumor Size Ovary	
<u>Code</u>	<u>Description</u>
995	Described as 'less than 5 cm' or 'greater than 4 cm' or 'between 4 cm and 5 cm'
999	Unknown



FIGO Stage for Ovary	
FIGO	Description
I	Tumor confined to ovaries
II	Tumor involves 1 or both ovaries with pelvic extension
III	Tumor involves 1 or both ovaries with microscopically confirmed peritoneal metastasis outside the pelvis and/or regional lymph node metastasis
IV	Distant metastasis beyond the peritoneal cavity



CS Extension Ovary: Notes	
<ol style="list-style-type: none"> 1. Malignant ascites change FIGO I and II to IC and IIC <small>*Disregard negative ascites or ascites, NOS</small> 2. Extension to and/or discontinuous metastasis to pelvic organs is FIGO II and CS extension codes 50-65. <small>*Involvement may be direct or discontinuous</small> 3. Implants outside the pelvis (70-73) must be microscopically confirmed 	




CS Extension Ovary: Notes	
<ol style="list-style-type: none"> 4. Determine whether implants are in pelvis (code 60-64) or abdomen (code 70-73) or unspecified (code 75) 5. Extension to and/or discontinuous metastasis to abdominal organs is FIGO III and CS extension codes 70-75 6. Liver parenchymal metastases are coded in Mets at Dx 7. It is unclear to which stage previous cases were coded because cancer cells in ascites or peritoneal washings was not specifically categorized in SS77 	

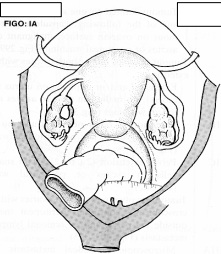


CS Extension Ovary


- Code 00
 - ◆ In situ; pre-invasive; non-invasive; intraepithelial



CS Extension Ovary

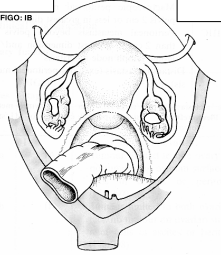


Code 10: One ovary, capsule intact, no tumor on surface, negative ascites; FIGO IA




Source: TNM Atlas, 3rd ed, 2nd rev., by B. Spiessl et al. Springer Verlag 1992

CS Extension Ovary




Code 20: Both ovaries, capsules intact, no tumor on surface, negative ascites; FIGO IB



Source: TNM Atlas, 3rd ed, 2nd rev., by B. Spiessl et al. Springer Verlag 1992


CS Extension Ovary

- **Code 30**
 - ◆ Localized, NOS
 - ◆ FIGO Stage I
- **Code 35**
 - ◆ Tumor limited to ovary(ies), capsule(s) ruptured
 - ◆ FIGO Stage IC
- **Code 36**
 - ◆ Tumor on ovarian surface
 - ◆ FIGO Stage IC

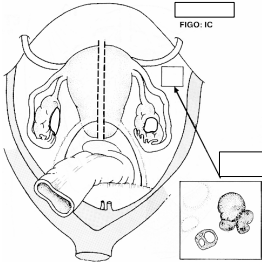


CS Extension Ovary


- **Code 41**
 - ◆ Tumor limited to ovaries with malignant ascites
 - ◆ FIGO Stage IC
- **Code 43**
 - ◆ (35) + (41)
 - ◆ FIGO Stage IC
- **Code 44**
 - ◆ (36) + any of [(35) or (41)]
 - ◆ FIGO Stage IC



CS Extension Ovary



Code 44: Tumor limited to ovaries with malignant ascites; capsule ruptured; tumor on ovarian surface; FIGO IC



Source: TNM Atlas, 3rd ed, 2nd rev., by B. Spiessl et al. Springer Verlag 1992

CS Extension Ovary

FIGO: IIA

FIGO IIA
 Negative ascites
 Extension to or implants on:
 Code 50: Adnexa/tubes, ipsilateral
 Code 52: Adnexa/tubes, contralateral; uterus

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Source: TNM Atlas, 3rd ed, 2nd rev., by B. Spiessl et al. Springer Verlag 1992

CS Extension Ovary

FIGO: IIB

FIGO IIB
 Negative ascites
 Extension to or implants on:
 Code 60: Other ipsilateral pelvic structures*
 Code 61: Other contralateral pelvic structures*

* ligaments, mesovarium, pelvic wall, adjacent peritoneum

NAACCR

Source: TNM Atlas, 3rd ed, 2nd rev., by B. Spiessl et al. Springer Verlag 1992

CS Extension Ovary

- **FIGO IIC**
 - ◆ Tumor confined to pelvis with positive ascites
 - ◆ Code 62: [(50) and/or (60)]
 - ◆ Code 63: [(52) and/or (60)]
 - ◆ Code 64: (61)
- **FIGO II, NOS**
 - ◆ Code 65: Tumor involves one or both ovaries with pelvic extension

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CS Extension Ovary

FIGO: IIc

Code 64: (61) with malignant ascites; FIGO IIC

Ascites, peritoneal washing

Source: TNM Atlas, 3rd ed. 2nd rev., by B. Spiessl et al. Springer Verlag 1992.

CS Extension Ovary

72 Macroscopic peritoneal implants > 2 cm (FIGO IIIC)

70 Microscopic peritoneal implants (FIGO IIIA)

71 Macroscopic peritoneal implants ≤ 2 cm (FIGO IIIB)

Source: TNM Atlas, 3rd ed. 2nd rev., by B. Spiessl et al. Springer Verlag 1992.

Liver Involvement

CS Extension codes 70-73

Mets at Dx code 40


Liver capsule

Parenchymal

Source: TNM Atlas, 3rd ed. 2nd rev., by B. Spiessl et al. Springer Verlag 1992.


CS Extension Ovary

- **Code 73**
 - ◆ Tumor involves one or both ovaries with microscopically confirmed peritoneal metastasis outside of pelvis, NOS
- **Code 75**
 - ◆ Peritoneal implants, NOS




CS Extension Ovary

- **Code 80**
 - ◆ Further contiguous extension
- **Code 95**
 - ◆ No evidence of primary tumor
- **Code 99**
 - ◆ Unknown




CS Tumor Size/Ext Eval Ovary

<u>Code</u>	<u>Description</u>
0	Clinical only
1	Invasive techniques
2	Autopsy (known or suspected dx)
3	Pathology
5	Pre-op tx; clinical eval
6	Pre-op tx; pathologic eval
8	Autopsy; dx not suspected
9	Unknown

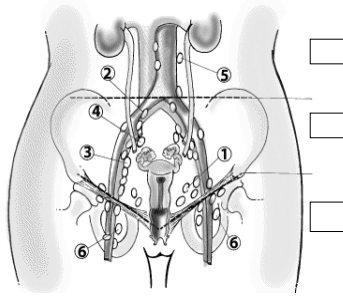


CS Lymph Nodes Ovary: Notes


1. Code distant nodes in Mets at Dx
2. If there is a statement “adnexa palpated” with no mention of lymph nodes, assume lymph nodes are not involved (code 00)
3. If exploratory or definitive surgery with no mention of nodes, assume nodes are negative (code 00)
4. Regional nodes include bilateral and contralateral involvement of named nodes



CS Lymph Nodes Ovary




- Code 00
None
- Code 10
1 Hypogastric (internal iliac) Obturator
- Code 12
2 Common iliac
- Code 20
3 External iliac
- Code 30
4 Lateral sacral
- Code 50
5 Para-aortic
- Code 60
6 Inguinal



Source: TNM-Interactive, UICC, 1998


CS Lymph Nodes Ovary

- **Code 40**
◆ (10) + (20)
- **Code 42**
◆ [(12) or (30)] + [(10) or (20)]
- **Code 50**
◆ Regional lymph nodes, NOS




CS Lymph Nodes Ovary

- Code 80
 - ◆ Lymph nodes, NOS
- Code 99
 - ◆ Unknown




CS Reg Node Eval Ovary

<u>Code</u>	<u>Description</u>
0	Clinical only
1	Invasive techniques
2	Autopsy (known or suspected dx)
3	Pathology
5	Pre-op tx; clinical eval
6	Pre-op tx; pathologic eval
8	Autopsy; dx not suspected
9	Unknown




Regional Nodes Positive Ovary


<u>Code</u>	<u>Description</u>
00	All nodes examined negative
01-89	Exact number of nodes positive
90	90 or more nodes positive
95	Positive aspiration or core biopsy of nodes
97	Positive nodes – number unspecified
98	No nodes examined
99	Unknown




Regional Nodes Examined Ovary	
<u>Code</u>	<u>Description</u>
00	No nodes examined
01-89	Exact number of nodes examined
90	90 or more nodes examined
95	No regional nodes removed, but aspiration or core biopsy of regional nodes performed
96	Regional node sampling and number of nodes unknown



Regional Nodes Examined Ovary	
<u>Code</u>	<u>Description</u>
97	Regional node dissection and number of nodes unknown
98	Regional nodes surgically removed but number of nodes unknown and not documented as sampling or dissection; nodes examined, but number not known
99	Unknown




CS Mets at Dx Ovary	
■ Code 00	◆ None
■ Code 10	◆ Distant lymph nodes




CS Mets at Dx Ovary

- **Code 40**
 - ◆ Distant metastases except distant lymph nodes
 - ◆ Liver parenchymal metastasis
 - ◆ Pleural effusion with positive cytology
- **Code 50**
 - ◆ (10) + (40)
- **Code 99**
 - ◆ Unknown




CS Mets Eval Ovary

<u>Code</u>	<u>Description</u>
0	Clinical only
1	Invasive techniques
2	Autopsy (known or suspected dx)
3	Pathology
5	Pre-op tx; clinical eval
6	Pre-op tx; pathologic eval
8	Autopsy; dx not suspected
9	Unknown




CS Site-Specific Factor 1 Ovary (CA-125)

- Record results of carbohydrate antigen 125 (CA-125, cancer antigen 125)
- Considered tumor marker
- Normal range is < 35 U/ml (SI: < 35 kU/L)
- Code highest pre-treatment test value




**CS Site-Specific Factor 1
Ovary (CA-125)**

- Code 000: Test not done
- Code 010: Positive/elevated
- Code 020: Negative/normal
- Code 030: Borderline
- Code 080: Ordered but results not in chart
- Code 999: Unknown




**CS Site-Specific Factors 2-6
Ovary**

- Assign code 888
 - ◆ Not applicable for this site




**Case Study 1: Limited to
Ovaries**

- Enlarged right ovary on PE
- Mass confirmed by ultrasound.
- No further tests.
- Laparotomy, RSO, and random biopsies:
 - Tumor confined to ovary, capsule intact.
- All biopsies and washings negative.




Case Study 1
Tumor Size & Extension

- ◆ CS Tumor size 999
 - ◆ Size not stated
- ◆ CS Extension 10
 - ◆ One ovary involved, capsule intact
- ◆ CS TS/Ext Eval 3
 - ◆ Based on surgical resection pathology




Case Study 1
Lymph Nodes

- ◆ CS Lymph Nodes 00
 - ◆ Note 3: exploratory surgery, no mention of lymph nodes
- ◆ CS Reg LN Eval 1
 - ◆ Based on surgical observation, no biopsy
- ◆ Reg LN Pos 98
 - ◆ No nodes examined
- ◆ Reg LN Exam 00
 - ◆ No nodes examined




Case Study 1
Metastasis & SSFs

- ◆ CS Mets at Dx 00
 - ◆ Inaccessible sites rule, presumed negative
- ◆ CS Mets Eval 0
 - ◆ Based on non-invasive clinical evidence
- ◆ CS SSF1 000
 - ◆ No further tests
- ◆ CS SSF2 - SSF8 888
 - ◆ Not applicable




Case Study 2: Malignant Ascites

- Pt had vague abdominal symptoms.
- Pelvic exam showed right ovary mass.
- Oophorectomy and biopsies:
 - Adenocarcinoma in right ovary and in tumor implants on right fallopian tube. Peritoneal washings positive.




**Case Study 2
Tumor Size & Extension**

- ◆ CS Tumor Size 999
 - ◆ Size not stated
- ◆ CS Extension 62
 - ◆ Ipsilateral tube (50) + positive ascites
- ◆ CS TS/Ext Eval 3
 - ◆ Based on surgical resection pathology




**Case Study 2
Lymph Nodes**

- ◆ CS Lymph nodes 00
 - ◆ Note 3: exploratory surgery, no mention of lymph nodes
- ◆ CS Reg LN Eval 1
 - ◆ Based on surgical observation, no biopsy
- ◆ Reg LN Pos 98
 - ◆ No nodes examined
- ◆ Reg LN Exam 00
 - ◆ No nodes examined




**Case Study 2
Metastasis & SSFs**

- ◆ CS Mets at Dx 00
 - ◆ Inaccessible sites rule, presumed negative
- ◆ CS Mets Eval 0
 - ◆ Based on non-invasive clinical evidence
- ◆ CS SSF1 999
 - ◆ CA-125 not documented
- ◆ CS SSF2 - SSF6 888
 - ◆ Not applicable




Case Study 3: Extensive disease

- Large pelvic mass on PE.
- CA-125 highly positive.
- TAH-BSO and biopsies:
 - Cystadenocarcinoma in both ovaries and tumor nodules (> 2 cm) on cervix, pelvic sidewall, small intestine, and surface of liver. 0/8 LN positive.




**Case Study 3
Tumor Size & Extension**

- ◆ CS Tumor Size 999
 - ◆ Size not stated
- ◆ CS Extension 72
 - ◆ Peritoneal mets > 2 cm
- ◆ CS TS/Ext Eval 3
 - ◆ Based on surgical resection pathology



**Case Study 3
Lymph Nodes**

- ◆ CS Lymph nodes 00
 - ◆ No nodes involved
- ◆ CS Reg LN Eval 3
 - ◆ Based on pathology report
- ◆ Reg LN Pos 00
 - ◆ No nodes involved
- ◆ Reg LN Exam 08
 - ◆ Eight nodes examined



**Case Study 3
Metastasis & SSFs**

- ◆ CS Mets at Dx 00
 - ◆ Inaccessible sites rule, presumed negative
- ◆ CS Mets Eval 0
 - ◆ Based on non-invasive clinical evidence
- ◆ CS SSF1 010
 - ◆ CA-125 elevated
- ◆ CS SSF2 - SSF6 888
 - ◆ Not applicable

