

VULVAR CARCINOMA

EXAMPLE OF A VULVAR CARCINOMA USING PROPOSED TEMPLATE

- Case: Invasive squamous cell carcinoma arising in D-VIN
- Tumor in left labia major
- Left partial vaginectomy and sentinel lymph node biopsy (left inguinal)
- Sentinel lymph node positive, no extranodal extension, 0.4 cm
- Tumor Size = 1.1 x 0.9 x 0.4 cm
- Tumor Focality = Unifocal
- Stromal invasion = present, 0.4 cm
- LVI suspicious
- PNI absent
- Margins positive D-VIN, midline vulvar margin, focal

CARCINOMA OF THE VULVA:

1. **Specimens:** Left labia majora, left inguinal sentinel lymph node
2. **Procedures:** Left partial vaginectomy, left inguinal sentinel lymph node biopsy
3. **Sentinel Lymph Node Sampling:** Performed (left inguinal sentinel lymph node)
4. **Regional Lymph Node Sampling:** Not performed
5. **Specimen Integrity:** Intact
6. **Primary Tumor Site:** Left labia majora
7. **Tumor Size:**
 - a. Greatest dimension: 1.1 cm
 - b. Total dimensions: 1.1 x 0.9 x 0.4 cm
8. **Tumor Focality:** Unifocal
9. **Histologic Type:** Squamous cell carcinoma, keratinizing type
10. **Histologic Grade:** Well-differentiated (grade 1)
11. **Stromal Invasion:** Present, 0.4 cm
12. **Lymph-Vascular Invasion:** Present
13. **Perineural Invasion:** Absent
14. **Other Sites/Organs Involved:** Left inguinal sentinel lymph node
15. **Additional Pathologic Findings:** Differentiated vulva intraepithelial neoplasia (D-VIN)
16. **Sentinel Lymph Nodes:** Positive; 1/1 (left inguinal sentinel lymph node); 0.4 cm; extranodal extension not identified
17. **Total Lymph Nodes:** Positive; 1/1
18. **Cytology:** Not performed
19. **Surgical Margins:** Positive for in-situ carcinoma only; midline vulvar margin, focal, < 0.1 cm

20. Pathologic Staging: AJCC [pT1b N1a(sn)]; FIGO [IIIA]**CARCINOMA OF THE VULVA (specific details to be added into SOFT)**

1. **Specimen(s):** *list all specimens removed during case*
2. **Procedure(s):** *select all that apply*
 - a. [Incisional biopsy]
 - b. [Excisional biopsy]
 - c. [Wide-local excisional biopsy]
 - d. [Radical vulvectomy]
 - e. [Total vulvectomy]
 - f. [Partial vulvectomy]
 - g. [Vulvectomy] (can further specify, e.g. "anterior vaginectomy")
3. **Sentinel Lymph Node Sampling:** *select whether or not sentinel lymph nodes were removed*
 - a. [Performed]
 - b. [Not performed]
 - c. [Not applicable]
 - d. [Cannot be determined]
4. **Regional Lymph Node Sampling:** *select whether or not regional, non-sentinel lymph nodes were removed*
 - a. [Performed]
 - b. [Not performed]
 - c. [Not applicable]
 - d. [Cannot be determined]
5. **Specimen Integrity:** *document whether intact or received fragmented*
6. **Primary Tumor Site:** *specify location of tumor primary*
 - a. [<SPECIFY PRIMARY TUMOR LOCATION>]
7. **Tumor Size:** *provide greatest dimension and total dimensions*
 - a. [Greatest dimension: <SPECIFY>]
 - b. [Total dimensions: <SPECIFY>]
 - c. [Cannot be determined]
8. **Tumor Focality:** *specify tumor focality*
 - a. [Unifocal]
 - b. [Multifocal]
 - c. [Cannot be determined]
9. **Histologic Type:** *select appropriate tumor type*
 - a. [Squamous cell carcinoma, keratinizing type]
 - b. [Squamous cell carcinoma, non-keratinizing type]
 - c. [Squamous cell carcinoma, basaloid type]
 - d. [Squamous cell carcinoma, papillary type]

- e. [Verrucous carcinoma]
 - f. [Paget disease, <SPECIFY INVASIVE OR NON-INVASIVE>]
 - g. [Adenocarcinoma, mammary type]
 - h. [Adenocarcinoma, sweat gland type]
 - i. [Adenocarcinoma, intestinal type]
 - j. [Mesonephric carcinoma]
 - k. [Clear cell carcinoma]
 - l. [Mucinous carcinoma]
 - m. [Endometrioid carcinoma]
 - n. [Adenosquamous carcinoma]
 - o. [Undifferentiated carcinoma]
 - p. [Merkel cell carcinoma]
 - q. [Neuroendocrine carcinoma, <SPECIFY LOW OR HIGH-GRADE>]
 - r. [Small cell carcinoma]
 - s. [Carcinoma, not-otherwise-specified]
 - t. [Other, <SPECIFY>]
10. **Histologic Grade:** *specify histologic grade of tumor*
- a. [Well-differentiated (grade 1)]
 - b. [Moderately-differentiated (grade 2)]
 - c. [Poorly-differentiated (grade 3)]
 - d. [Undifferentiated (grade 4)]
 - e. [Other, <SPECIFY>]
 - f. [Not applicable]
11. **Stromal Invasion:** *specify presence of stromal invasion*
- a. [Absent]
 - b. [Present, <PROVIDE DEPTH OF INVASION>]
12. **Lymph-Vascular Space Invasion:** *state whether LVI is present*
- a. [Absent]
 - b. [Present]
 - c. [Suspicious]
 - d. [Cannot be determined]
13. **Perineural Invasion:** *state whether PNI is present*
- a. [Absent]
 - b. [Present]
 - c. [Suspicious]
 - d. [Cannot be determined]
14. **Other Sites/Organs Involved:** *state whether there is disease outside the vulva*
- a. [Negative]
 - b. [Positive: <LIST OTHER ORGANS INVOLVED> ; <PROVIDE SIZE OF LARGEST METASTATIC FOCUS>]

15. Additional Pathologic Findings: *if possible, select all that apply*

- a. [None identified]
- b. [Low-grade squamous intraepithelial lesion (LSIL)]
- c. [High-grade squamous intraepithelial lesion (HSIL)]
- d. [Differentiated vulvar intraepithelial neoplasia (D-VIN)]
- e. [Lichen sclerosus]
- f. [Lichen simplex chronicus]
- g. [Adenosis]
- h. [Adenocarcinoma in-situ]
- i. [Other, <SPECIFY>]

16. Sentinel Lymph Nodes: *provide sentinel lymph node status*

- a. [Not performed]
- b. [Negative: 0 / <PROVIDE TOTAL LYMPH NODES>] (*specify site of sentinel lymph node*)
- c. [Positive: <PROVIDE TOTAL NUMBER OF POSITIVE SENTINEL LYMPH NODES> / <PROVIDE TOTAL SENTINEL LYMPH NODES>] (*specify site of sentinel lymph node*)
- d. [Extranodal extension: <STATE IF EXTRANODAL EXTENSION IS PRESENT OR ABSENT>]

17. Total Lymph Nodes: *provide total sentinel and non-sentinel lymph node status*

- a. [Not performed]
- b. [Negative: 0 / <PROVIDE TOTAL SENTINEL AND NON-SENTINEL LYMPH NODES>]
- c. [Positive: <PROVIDE TOTAL NUMBER OF POSITIVE SENTINEL AND NON-SENTINEL LYMPH NODES> / <PROVIDE TOTAL NUMBER OF SENTINEL AND NON-SENTINEL LYMPH NODES> ; <PROVIDE SIZE OF LARGEST LYMPH NODE METASTASIS AND IF THERE IS EXTRANODAL EXTENSION>]

18. Cytology: *state whether or not cytology was performed and results, include accession number*

- a. [Not performed]
- b. [Performed]:
 - i. [Positive, <PROVIDE ACCESSION NUMBER IF AVAILABLE>]
 - ii. [Negative, <PROVIDE ACCESSION NUMBER IF AVAILABLE>]

19. Surgical Margins: *select all that apply*

- a. [Negative for carcinoma] (use if there is no significant background SIL or D-VIN)
- b. [Negative for invasive and in-situ carcinoma] (use if there is significant background SIL or D-VIN)

- c. [Positive for invasive carcinoma; <STATE SPECIFIC MARGIN>, <STATE FOCAL OR DIFFUSE>, <PROVIDE APPROXIMATE LINEAR EXTENT>]
- d. [Positive for in-situ carcinoma only; <STATE SPECIFIC MARGIN>, <STATE FOCAL OR DIFFUSE>, <PROVIDE APPROXIMATE LINEAR EXTENT>]
- e. [Cannot be determined]

20. Pathologic Staging: *may use AJCC and/or FIGO; refer to staging manuals*

*Depth of invasion of squamous cell carcinoma is the measurement in millimeters (or centimeters) from the epithelial-stromal junction of the adjacent most superficial dermal papilla to the deepest point of invasion. Invasion in glandular tumors is not as well defined, therefore use your best estimate.

*Tumor thickness of squamous cell carcinoma is the measurement in millimeters (or centimeters) from the surface of the tumor to the deepest point of invasion.

*Caution is recommended when using terms such as “microinvasive” or “early stromal invasion” as the former has a specific requirement while the latter is not well-defined, varies from observer to observer, and is often used when invasion is suspected but not definitive morphologically

*Non-epithelial vulvar malignancies include mesenchymal (sarcoma botryoides, leiomyosarcoma, aggressive angiomyxoma, dermatofibrosarcoma protuberans), melanocytic, and germ cell tumors. Grading and staging of these tumors is not included in the TNM system for the vulva and instead may use different grading and staging schema.