

Female Genital Tumours/ Foreword**/ WHO classification of tumours of the female genital tract: ICD-O coding**

Headings

WHO classification of tumours of the ovary

Serous tumours

8441/0 Serous cystadenoma NOS

8461/0 Serous surface papilloma

9014/0 Serous adenofibroma NOS

9014/0 Serous cystadenofibroma NOS

8442/1 Serous borderline tumour NOS

8460/2 Serous borderline tumour, micropapillary variant

8460/2 Serous carcinoma, non-invasive, low grade

8460/3 Low-grade serous carcinoma

8461/3 High-grade serous carcinoma

Mucinous tumours

8470/0 Mucinous cystadenoma NOS

9015/0 Mucinous adenofibroma NOS

8472/1 Mucinous borderline tumour

8480/3 Mucinous adenocarcinoma

Endometrioid tumours

8380/0 Endometrioid cystadenoma NOS

8381/0 Endometrioid adenofibroma NOS

8380/1 Endometrioid tumour, borderline

8380/3 Endometrioid adenocarcinoma NOS

8474/3 Seromucinous carcinoma

Clear cell tumours

8443/0 Clear cell cystadenoma

8313/0 Clear cell cystadenofibroma

8313/1 Clear cell borderline tumour

8310/3 Clear cell adenocarcinoma NOS

Seromucinous tumours

8474/0 Seromucinous cystadenoma

9014/0 Seromucinous adenofibroma

8474/1 Seromucinous borderline tumour

Brenner tumours

9000/0 Brenner tumour NOS

9000/1 Brenner tumour, borderline malignancy

9000/3 Brenner tumour, malignant

Other carcinomas

9111/3* Mesonephric-like adenocarcinoma

8020/3 Carcinoma, undifferentiated, NOS

8020/3 Dedifferentiated carcinoma

8980/3 Carcinosarcoma NOS

8323/3 Mixed cell adenocarcinoma

Mesenchymal tumours

8931/3 Endometrioid stromal sarcoma, low grade

8930/3 Endometrioid stromal sarcoma, high grade

8890/0 Leiomyoma NOS

8890/3 Leiomyosarcoma NOS

8897/1 Smooth muscle tumour of uncertain malignant potential

8840/0 Myxoma NOS

Mixed epithelial and mesenchymal tumours

8933/3 Adenosarcoma

Sex cord–stromal tumours

Pure stromal tumours

8810/0 Fibroma NOS

8810/1 Cellular fibroma

8600/0 Thecoma NOS

8601/0 Thecoma, luteinized

8602/0 Sclerosing stromal tumour

8590/0 Microcystic stromal tumour

8590/0 Signet-ring stromal tumour

8650/0 Leydig cell tumour of the ovary NOS

8670/0 Steroid cell tumour NOS

8670/3 Steroid cell tumour, malignant

8810/3 Fibrosarcoma NOS

Pure sex cord tumours

8620/3 Adult granulosa cell tumour of ovary

8622/1 Granulosa cell tumour, juvenile

8640/1 Sertoli cell tumour NOS

8623/1 Sex cord tumour with annular tubules

Mixed sex cord–stromal tumours

8631/1 Sertoli–Leydig cell tumour NOS

8631/0 Sertoli–Leydig cell tumour, well differentiated

8631/1 Sertoli–Leydig cell tumour, moderately differentiated

8631/3 Sertoli–Leydig cell tumour, poorly differentiated

8633/1 Sertoli–Leydig cell tumour, retiform

8590/1 Sex cord tumour NOS

8632/1 Gynandroblastoma

Germ cell tumours

9080/0 Teratoma, benign

9080/3 Immature teratoma NOS

9060/3 Dysgerminoma

9071/3 Yolk sac tumour NOS

9070/3 Embryonal carcinoma NOS

9100/3 Choriocarcinoma NOS

9085/3 Mixed germ cell tumour

Monodermal teratomas and somatic-type tumours arising from a dermoid cyst

9090/0 Struma ovarii NOS

9090/3 Struma ovarii, malignant

9091/1 Strumal carcinoid

9084/3 Teratoma with malignant transformation

9080/0 Cystic teratoma NOS

9084/3 Teratoma with malignant transformation

Germ cell–sex cord–stromal tumours

9073/1 Gonadoblastoma

Dissecting gonadoblastoma

Undifferentiated gonadal tissue

8594/1 Mixed germ cell–sex cord–stromal tumour NOS

Miscellaneous tumours

9110/0 Adenoma of rete ovarii

9110/3 Adenocarcinoma of rete ovarii

9110/1 Wolffian tumour

8452/1 Solid pseudopapillary tumour of ovary

8044/3 Small cell carcinoma, hypercalcaemic type

Small cell carcinoma, large cell subtype

8960/3 Wilms tumour

Tumour-like lesions

Follicle cyst

Corpus luteum cyst

Large solitary luteinized follicle cyst

Hyperreactio luteinalis

8610/0 Pregnancy luteoma

Stromal hyperplasia and hyperthecosis

Fibromatosis and massive oedema

Leydig cell hyperplasia

Metastases to the ovary

WHO classification of tumours of the peritoneum

Mesothelial tumours

9054/0 Adenomatoid tumour NOS

9052/0 Well-differentiated papillary mesothelioma, benign

9050/3 Mesothelioma, malignant

9052/3 Epithelioid mesothelioma, malignant

9051/3 Sarcomatoid mesothelioma

9053/3 Mesothelioma, biphasic, malignant

Epithelial tumours (of Müllerian type)

8442/1 Serous borderline tumour NOS

8460/3 Low-grade serous carcinoma

8461/3 High-grade serous carcinoma

Mesenchymal tumours specific to peritoneum

8890/1 Leiomyomatosis, peritonealis disseminata

8822/1 Abdominal fibromatosis

8817/0 Calcifying fibrous tumour

8936/3 Gastrointestinal stromal tumour

8815/1 Solitary fibrous tumour NOS

Fat-forming (lipomatous) solitary fibrous tumour

Giant cell-rich solitary fibrous tumour

Dedifferentiated solitary fibrous tumour

8815/3 Solitary fibrous tumour, malignant

8931/3 Endometrioid stromal sarcoma, low grade

8930/3 Endometrioid stromal sarcoma, high grade

8806/3 Desmoplastic small round cell tumour

Tumour-like lesions

Mesothelial hyperplasia

9055/0 Peritoneal inclusion cysts

Transitional cell metaplasia

Endosalpingiosis

Histiocytic nodule

Ectopic decidua

Splenosis

Metastases to the peritoneum

Carcinomas and sarcomas

8480/6 Pseudomyxoma peritonei

Gliomatosis

WHO classification of tumours of the fallopian tube

Epithelial tumours

9014/0 Serous adenofibroma NOS

8442/1 Serous borderline tumour NOS

8461/3 High-grade serous carcinoma

8380/3 Endometrioid adenocarcinoma NOS

8980/3 Carcinosarcoma NOS

Tumour-like lesions

Paratubal cysts

Tubal hyperplasia

Tubo-ovarian abscess

Salpingitis isthmica nodosa

Metaplastic papillary lesion

Placental site nodule

Mucinous metaplasia

Endosalpingiosis

Mixed epithelial and mesenchymal tumours

8933/3 Adenosarcoma

Germ cell tumours

9080/0 Mature teratoma NOS

9080/3 Immature teratoma NOS

WHO classification of tumours of the broad ligament and other uterine ligaments

Mesenchymal and mixed tumours

8890/0 Leiomyoma NOS

8932/0 Adenomyoma NOS

8933/3 Adenosarcoma

8890/3 Leiomyosarcoma NOS

Miscellaneous tumours

9110/1 Wolffian tumour

8450/0 Papillary cystadenoma NOS

9391/3 Ependymoma NOS

Tumour-like lesions

Adrenocortical remnants

WHO classification of tumours of the uterine corpus

Endometrial epithelial tumours and precursors

Endometrial hyperplasia without atypia

8380/2 Atypical hyperplasia of the endometrium

8380/3 Endometrioid adenocarcinoma NOS

POLE-ultramutated endometrioid carcinoma

Mismatch repair-deficient endometrioid carcinoma

p53-mutant endometrioid carcinoma

No specific molecular profile (NSMP) endometrioid carcinoma

8441/3 Serous carcinoma NOS

8310/3 Clear cell adenocarcinoma NOS

8020/3 Carcinoma, undifferentiated, NOS

8323/3 Mixed cell adenocarcinoma

9110/3 Mesonephric adenocarcinoma

8070/3 Squamous cell carcinoma NOS

8144/3 Mucinous carcinoma, gastric (gastrointestinal)-type

9111/3* Mesonephric-like adenocarcinoma

8980/3 Carcinosarcoma NOS

Tumour-like lesions

Endometrial polyp

Endometrial metaplasia

Arias-Stella reaction

Mesenchymal tumours specific to the uterus

8890/0 Leiomyoma NOS

8890/0 Lipoleiomyoma

8890/0 Leiomyoma, apoplectic

8890/0 Leiomyoma, hydropic

8890/0 Dissecting leiomyoma

8892/0 Cellular leiomyoma

8896/0 Myxoid leiomyoma

8891/0 Epithelioid leiomyoma

8893/0 Symplastic leiomyoma

8890/1 Leiomyomatosis NOS

8890/1 Intravenous leiomyomatosis

8897/1 Smooth muscle tumour of uncertain malignant potential

8891/1* Epithelioid smooth muscle tumour of uncertain malignant potential

8896/1* Myxoid smooth muscle tumour of uncertain malignant potential

Spindle smooth muscle tumour of uncertain malignant potential

8898/1 Metastasizing leiomyoma

8890/3 Leiomyosarcoma NOS

Spindle leiomyosarcoma

8891/3 Epithelioid leiomyosarcoma

8896/3 Myxoid leiomyosarcoma

8930/0 Endometrial stromal nodule

8931/3 Endometrial stromal sarcoma, low grade

8930/3 Endometrial stromal sarcoma, high grade

8805/3 Undifferentiated sarcoma

8590/1 Uterine tumour resembling ovarian sex cord tumour

8714/0 Perivascular epithelioid tumour, benign

8714/3 Perivascular epithelioid tumour, malignant

8825/1 Inflammatory myofibroblastic tumour

Epithelioid myofibroblastic sarcoma

Mixed epithelial and mesenchymal tumours

8932/0 Adenomyoma NOS

8932/0 Atypical polypoid adenomyoma

8933/3 Adenosarcoma

Miscellaneous tumours

9473/3 Primitive neuroectodermal tumour NOS

9064/3 Germ cell tumour NOS

9071/3 Yolk sac tumour NOS

9080/0 Mature teratoma NOS

9080/3 Immature teratoma NOS

WHO classification of gestational trophoblastic disease

Tumour-like lesions

Exaggerated placental site reaction

Placental site nodule and plaque

Abnormal (non-molar) villous lesions

Molar pregnancies

9103/0 Partial hydatidiform mole

9100/0 Complete hydatidiform mole

9100/1 Invasive hydatidiform mole

Gestational trophoblastic neoplasms

9105/3 Trophoblastic tumour, epithelioid

9104/1 Placental site trophoblastic tumour

9100/3 Choriocarcinoma NOS

9101/3 Choriocarcinoma combined with other germ cell elements

WHO classification of tumours of the uterine cervix

Squamous epithelial tumours

Squamous metaplasia

Atrophy

Condyloma acuminatum

8077/0 Low-grade squamous intraepithelial lesion

8077/0 Cervical intraepithelial neoplasia, grade 1

8077/2 High-grade squamous intraepithelial lesion

8077/2 Cervical intraepithelial neoplasia, grade 2

8077/2 Cervical intraepithelial neoplasia, grade 3

8085/3 Squamous cell carcinoma, HPV-associated

8086/3 Squamous cell carcinoma, HPV-independent

8070/3 Squamous cell carcinoma NOS

Glandular tumours and precursors

Endocervical polyp

Müllerian papilloma

Nabothian cyst

Tunnel clusters

Microglandular hyperplasia

Lobular endocervical glandular hyperplasia

Diffuse laminar endocervical hyperplasia

Mesonephric remnants and hyperplasia

Arias-Stella reaction

Endocervicosis

Tuboendometrioid metaplasia

Ectopic prostate tissue

8140/2 Adenocarcinoma in situ NOS

8483/2* Adenocarcinoma in situ, HPV-associated

8484/2* Adenocarcinoma in situ, HPV-independent

8140/3 Adenocarcinoma NOS

8483/3* Adenocarcinoma, HPV-associated

8482/3 Adenocarcinoma, HPV-independent, gastric type

8310/3 Adenocarcinoma, HPV-independent, clear cell type

9110/3 Adenocarcinoma, HPV-independent, mesonephric type

8484/3* Adenocarcinoma, HPV-independent, NOS

8380/3 Endometrioid adenocarcinoma NOS

Other epithelial tumours

8980/3 Carcinosarcoma NOS

8560/3 Adenosquamous carcinoma

8430/3 Mucoepidermoid carcinoma

8098/3 Adenoid basal carcinoma

8020/3 Carcinoma, undifferentiated, NOS

Mixed epithelial and mesenchymal tumours

8932/0 Adenomyoma NOS

Mesonephric-type adenomyoma

Endocervical-type adenomyoma

8933/3 Adenosarcoma

Germ cell tumours

9064/3 Germ cell tumour NOS

9080/0 Mature teratoma NOS

9084/0 Dermoid cyst NOS

9071/3 Endodermal sinus tumour

9071/3 Yolk sac tumour NOS

9100/3 Choriocarcinoma NOS

WHO classification of tumours of the vagina

Epithelial tumours

Condyloma acuminatum

8052/0 Squamous cell papilloma NOS

Vestibular micropapillomatosis

Solitary vaginal papilloma

Atrophy

8560/0 Tubulosquamous polyp

8077/0 Low-grade squamous intraepithelial lesion

8077/0 Vaginal intraepithelial neoplasia, grade 1

8077/2 High-grade squamous intraepithelial lesion

8077/2 Vaginal intraepithelial neoplasia, grade 2

8077/2 Vaginal intraepithelial neoplasia, grade 3

8085/3 Squamous cell carcinoma, HPV-associated

8086/3 Squamous cell carcinoma, HPV-independent

8070/3 Squamous cell carcinoma NOS

8261/0 Villous adenoma NOS

8263/0 Tubulovillous adenoma NOS

Müllerian papilloma

Vaginal adenosis

Endocervicosis

Cysts

8140/3 Adenocarcinoma NOS

8483/3* Adenocarcinoma, HPV-associated

8380/3 Endometrioid adenocarcinoma NOS

8310/3 Clear cell adenocarcinoma NOS

8482/3 Mucinous carcinoma, gastric type

8480/3 Mucinous adenocarcinoma

9110/3 Mesonephric adenocarcinoma

8980/3 Carcinosarcoma NOS

8940/0 Mixed tumour NOS

8140/3 Carcinoma of Skene, Cowper, and Littre glands

8560/3 Adenosquamous carcinoma

8098/3 Adenoid basal carcinoma

Mixed epithelial and mesenchymal tumours

8933/3 Adenosarcoma

Miscellaneous tumours

9064/3 Germ cell tumour NOS

9071/3 Yolk sac tumour, pre-pubertal type

9080/0 Mature teratoma NOS

9084/0 Dermoid cyst NOS

WHO classification of tumours of the vulva

Epithelial tumours

Seborrhoeic keratosis

Condyloma acuminatum

8077/0 Low-grade squamous intraepithelial lesion

8077/0 Vulvar intraepithelial neoplasia, grade 1

8077/2 High-grade squamous intraepithelial lesion

8077/2 Vulvar intraepithelial neoplasia, grade 2

8077/2 Vulvar intraepithelial neoplasia, grade 3

8071/2 Differentiated vulvar intraepithelial neoplasia (VIN)

Differentiated exophytic vulvar intraepithelial lesion

Vulvar acanthosis with altered differentiation

8085/3 Squamous cell carcinoma, HPV-associated

8086/3 Squamous cell carcinoma, HPV-independent
8070/3 Squamous cell carcinoma NOS
8090/3 Basal cell carcinoma NOS
8405/0 Papillary hidradenoma
8940/0 Chondroid syringoma NOS
9010/0 Fibroadenoma NOS
9020/1 Phyllodes tumour NOS
9020/0 Phyllodes tumour, benign
9020/1 Phyllodes tumour, borderline
9020/3 Phyllodes tumour, malignant
8500/3 Adenocarcinoma of anogenital mammary-like glands

Bartholin gland lesions

Bartholin gland cyst
8140/0 Adenoma NOS
8932/0 Adenomyoma NOS
8070/3 Squamous cell carcinoma NOS
8200/3 Adenoid cystic carcinoma
8020/3 Carcinoma, poorly differentiated, NOS
8560/3 Adenosquamous carcinoma
8240/3 Neuroendocrine tumour NOS
8982/3 Myoepithelial carcinoma
8562/3 Epithelial–myoepithelial carcinoma
8085/3 Squamous cell carcinoma, HPV-positive

8542/3 Paget disease, extramammary
8400/3 Sweat gland adenocarcinoma
 8401/3 Apocrine adenocarcinoma
 8413/3 Eccrine adenocarcinoma
 8409/3 Porocarcinoma NOS
 8200/3 Adenoid cystic carcinoma

8144/3 Adenocarcinoma, intestinal type

Germ cell tumours

9064/3 Germ cell tumour NOS

9071/3 Yolk sac tumour NOS

WHO classification of neuroendocrine neoplasia in the female genital tract

8240/3 Neuroendocrine tumour NOS

8240/3 Neuroendocrine tumour, grade 1

8249/3 Neuroendocrine tumour, grade 2

8041/3 Small cell neuroendocrine carcinoma

8013/3 Large cell neuroendocrine carcinoma

8045/3 Combined small cell neuroendocrine carcinoma

8013/3 Combined large cell neuroendocrine carcinoma

WHO classification of haematolymphoid proliferations and neoplasia in the female genital tract

Florid reactive lymphoid hyperplasia

9680/3 Diffuse large B-cell lymphoma NOS

9699/3 Extranodal marginal zone lymphoma of mucosa-associated lymphoid tissue

9690/3 Follicular lymphoma NOS

9687/3 Burkitt lymphoma NOS

Sporadic Burkitt lymphoma

Endemic Burkitt lymphoma

Immunodeficiency-associated Burkitt lymphoma

9930/3 Myeloid sarcoma

WHO classification of mesenchymal tumours of the lower genital tract

Adipocytic tumours

8850/0 Lipoma NOS

8881/0 Lipoblastoma-like tumour

8850/3 Liposarcoma NOS

8850/1 Atypical lipomatous tumour

8852/3 Myxoid liposarcoma

8851/3 Liposarcoma, well differentiated, NOS

8858/3 Dedifferentiated liposarcoma

8854/3 Pleomorphic liposarcoma

Fibroblastic and myofibroblastic tumours

Postoperative spindle cell nodule

Fibroepithelial stromal polyp

8810/0 Fibroma NOS

8825/0 Myofibroblastoma

9160/0 Cellular angiofibroma

8826/0 Angiomyofibroblastoma

8815/1 Solitary fibrous tumour NOS

8815/3 Solitary fibrous tumour, malignant

8832/1 Dermatofibrosarcoma protuberans NOS

8833/1 Pigmented dermatofibrosarcoma protuberans

8832/3 Dermatofibrosarcoma protuberans, fibrosarcomatous

NTRK-rearranged spindle cell neoplasm (emerging)

Vascular tumours

9140/3 Kaposi sarcoma

9120/3 Angiosarcoma

Smooth muscle tumours

8890/0 Leiomyoma NOS

8891/0 Epithelioid leiomyoma

8896/0 Myxoid leiomyoma

8897/1 Smooth muscle tumour of uncertain malignant potential

8890/3 Leiomyosarcoma NOS

8891/3 Epithelioid leiomyosarcoma

8896/3 Myxoid leiomyosarcoma

Skeletal muscle tumours

8905/0 Genital rhabdomyoma

8900/3 Rhabdomyosarcoma NOS

8910/3 Embryonal rhabdomyosarcoma NOS

8920/3 Alveolar rhabdomyosarcoma

8901/3 Pleomorphic rhabdomyosarcoma NOS

Peripheral nerve sheath tumours

9540/0 Neurofibroma NOS

9560/0 Schwannoma NOS

9580/0 Granular cell tumour NOS

9580/3 Granular cell tumour, malignant

Tumours of uncertain differentiation

8841/0 Superficial angiomyxoma

8841/0 Aggressive angiomyxoma

8804/3 Epithelioid sarcoma

Classic epithelioid sarcoma

Proximal or large cell epithelioid sarcoma

9581/3 Alveolar soft part sarcoma

Undifferentiated small round cell sarcomas

9364/3 Ewing sarcoma

WHO classification of melanocytic lesions in the female genital tract

8720/0 Naevus NOS

8740/0 Junctional naevus NOS

8750/0 Intradermal naevus

8760/0 Compound naevus

8761/0 Congenital melanocytic naevus NOS

8761/1 Giant pigmented naevus NOS

8780/0 Blue naevus NOS

8790/0 Cellular blue naevus

8720/0 Atypical melanocytic naevus of genital type

8727/0 Dysplastic naevus

8720/3 Malignant melanoma NOS

8745/3 Desmoplastic melanoma

8721/3 Nodular melanoma

8746/3 Mucosal lentiginous melanoma

Notes

These morphology codes are from the International Classification of Diseases for Oncology, third edition, second revision (ICD-O-3.2), available from: http://www.iacr.com.fr/index.php?option=com_content&view=article&id=149:icd-o-3-2&catid=80&Itemid=545

Behaviour is coded /0 for benign tumours; /1 for unspecified, borderline, or uncertain behaviour; /2 for carcinoma in situ and grade III intraepithelial neoplasia; /3 for malignant tumours, primary site; and /6 for malignant tumours, metastatic site. Behaviour code /6 is not generally used by cancer registries.

This classification is modified from the previous WHO classification, taking into account changes in our understanding of these lesions.

Subtype labels are indented.

* Codes marked with an asterisk were approved by the IARC/WHO Committee for ICD-O at its meeting in June 2020.

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