

# Cancer Classifications, Grading, and Staging systems



## - A -

- American Joint Commission on Cancer TNM Classification (AJCC) (0, I-IV, IA-IIIB)
- Ann Arbor staging system (I-IV)
- Astler-Coller staging system (A-D, A1-D3)

## - B -

- Bennett classification system for lymphoma (See FAB)
- Black nuclear staging system
- Bloom-Richardson grading system for breast cancer (1-3), see also Scharf-Bloom-Richardson
- Boden-Gibb staging system for testicular cancer (IA-IIIC)
- Borrmann classification system for gastric tumors (I-IV, 1-4)
- Breslow microstaging system for melanoma (thin: <0.75 mm depth of invasion; intermediate: 0.76 - 3.99 mm; depth of invasion; thick: greater than 4 mm depth of invasion)
- Broder system (index) aggressiveness (1-4)
- Butchart tumor staging system (I-IV, IA, IB)

## - C -

- Chang staging system (T1-T4)
- Child-Pugh classification system (A-C)
- Children's Cancer Study Group System (CCSG) (I-IVS)
- CIN (cervical intraepithelial neoplasia) hyphenated (CIN-1 through CIN-3)
- Clark microstaging system for malignant melanoma, invasiveness from skin (I-V)
- Clark-Breslow classification system (see Clark and Breslow)

## - D -

- Dripps surgical perioperative mortality classification system. See also ASA classification. (1-5 with E suffix for emergency).
- Dukes classification adenocarcinoma of colon or rectum (A-D)
- Dukes-Astler-Coller classification, modification of Dukes classification for colon cancer, (B2-C2)
- Durie-Salmon classification of multiple myeloma (I, II, IIIA and IIIB)
- Dutch classification of cutaneous T-cell lymphoma - see EORTC.

## - E -

- ECOG scale. Eastern Cooperative Oncology Group, host performance scale (0-4)
- Edmondson-Steiner grading system for hepatocellular carcinoma (I-IV)
- Enneking staging system for musculoskeletal tumors (IA-IIIB)

- EORTC (European Organization for Research and Treatment of Cancer). Histologic classification by cell type, cutaneous lymphoma.
- Evans staging system for neuroblastoma (I-IV)

## **- F -**

- FAB (French/American/British) classification system for hematological malignancies (M0-M7, M4E, M5A, M5B)
- FIGO (Federation Internationale de Gynecologie et d'Obstetrique) staging classification (I-IV)

## **- G -**

- Gleason tumor score for prostatic tumors (total score 2 through 10)
- Goseki (Polish) grading system for gastric carcinoma (I-IV)

## **- H -**

- Haagensen staging system, breast carcinoma, archaic.
- Haggitt classification system for colorectal adenocarcinoma (level 1-4)
- Host performance scale, used with TNM system (H0-H4)

## **- I -**

- International Federation of Gynecology and Obstetrics staging classification (I-IV)
- International Staging System (INSS) for lung cancer (I-IIIIB)
- International Staging System (INSS) for neuroblastoma (1-4S)

## **- J -**

- Jass grading system for colorectal malignancies (I-IV)
- Jewett classification system for prostatic carcinoma (A-D)
- Jewett-Marshall scale bladder cancer (O(not zero), A, B1-D-4)
- Jewett-Strong-Marshall scale, bladder cancer, (0 through D2)

## **- K -**

- Karnofsky scale: Criteria of Performance Status (100-0)
- Kernohan histologic grading system (1-4)
- Kiel classification system for leukemia and lymphoma (low, intermediate and high grade) archaic-1974.

## **- L -**

- Lancefield classification system for group A-G and K streptococcus
- Lauren classification system for gastric cancer(diffuse and intestinal), no system.
- League of Nations staging system (forerunner to WHO, first international classification)
- Linell-Ljungberg histologic classification system for breast carcinoma
- Lugano staging for gastric lymphomas (I, II1-IIIE, III, IV)

- Lukes-Collins classification of non-Hodgkin lymphoma (histologic, no system, pre-runner to REAL classification)

## **- M -**

- M.D. Anderson grading system (1-4)
- Mattson staging system (IA, IB, II-IV)
- Mayo grading system (1-3)
- Mayo-St. Ann grading system for astrocytomas (1-4)
- Ming grading system for gastric cancer (histopathology, expanding and infiltrative), similar to Lauren
- MSKCC staging system for testicular cancer (I, IIA-C, III)

## **- N -**

- National Cancer Institute-Veterans Affairs (NCI-VA) grading system (1-4)

## **- P -**

- Page criteria, also Dupont-Page criteria for the development of breast disease (histopathological)
- PDQ modification of REAL Classification of lymphoproliferative diseases

## **- R -**

- Rappaport classification system for lymphoma (also modified Rappaport classification system) (I-IV)
- REAL (Revised European American classification of Lymphoid neoplasms) B-cell, T-cell, and Hodgkin (now known as B-cell)
- Ringertz grading system for glial tumors (astrocytoma, anaplastic astrocytoma, and glioblastoma multiforme) I-IV
- Robson staging system for renal cell carcinoma (I-IV)
- RTOG (Radiation Therapy Oncology Group) classification system for DCIS (stage II-IV, phase I-III, grade 1-5)
- Russell classification system for soft tissue sarcomas (grade 1-4) as a G1-4 prefix to TNM
- Rye classification system for Hodgkin disease (0-IV)

## **- S -**

- Skinner staging (pathologic) of testicular cancer (A, B, C)

## **- T -**

- TNM staging (T = extent of primary tumor, N = absence or presence and extent of regional lymph node involvement, M = absence or presence of distant metastases) (TX, NX, MX)
  - TX, T0-T4, T1a-T1c, T4a-T4b
  - TX = primary tumor cannot be assessed, T0 = no evidence of primary tumor
  - Tis = carcinoma in situ
  - NX, N0-N3, N1a, N1b, N1bi-iv (1bi-iv refers to size of lymph node metastases)
  - MX, M0, M1
  - GX-G4 = histopathologic grade

- LX, L0-L2 = lymphatic invasion
- RX, R0-R2 = residual tumor
- VX, V0-V2 = venous invasion

Prefixes under TNM:

- aTNM = classification first determined at autopsy
- cTNM = clinical classification
- (m) = multiple primary
- pTNM = pathologic classification
- r = recurrent tumors, when staged after disease-free interval
- y = classification during or following multinodal therapy

## **- W -**

- Whitmore-Jewett staging system for prostate carcinoma (A-D)
- Wolfe breast carcinoma classification (mammographic criteria) N1, P1, P2, DY
- Working Formulation Equivalent of non-Hodgkin lymphoma (I-IV)
- World Health Organization (WHO) classification system for CNS, intracranial, meningioma, astrocytic, lung, GI and liver tumors (grade 1-4)
- World Health Organization (WHO) classification system for glial neoplasms (I-XII)
- World Health Organization (WHO) classification system for transitional cell carcinoma of the bladder (Ta-T4)

## **- Z -**

- Zubrod performance scale (0-4)