

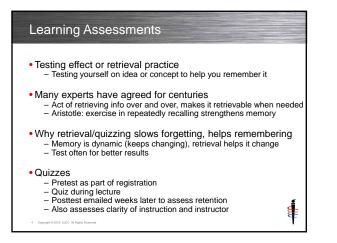
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### Learning Objectives

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- Demonstrate purpose and approach to AJCC staging
- Examine format and expansion of Chapter 1
- Outline use of stage descriptors and guidelines
- Dissect 8<sup>th</sup> edition staging 1-page guide

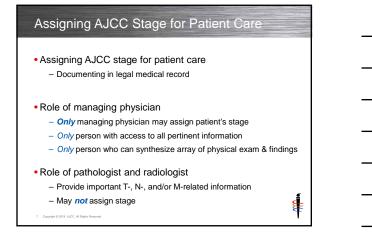




### Purpose of AJCC Stage

- Stage is for patient care
  - Defines prognosis
  - Critical for appropriate treatment
- Stage serves as basis for
  - Clinical trial inclusion, exclusion, and stratification
  - Evaluate results of treatment - Facilitate exchange and comparison of info between registries
  - Clinical and translational cancer research
- Cohesive approach to staging provides method for Clearly conveying clinical experience to others
   Without ambiguity

  - At national and international levels

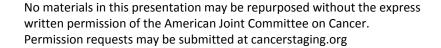


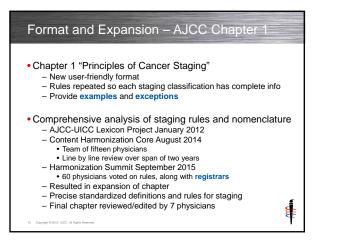
# Assigning AJCC Stage in Registry

- Assigning AJCC stage for registry purposes
  - Recording stage in abstract database
  - MAY NOT document in legal medical record
- Role of cancer registrar
  - Documenting physician assigned stage in abstract database
  - Assigning AJCC stage in abstract database
     When managing physician documented stage is not available
     When only partial stage info available from physicians
  - Ensure all appropriate stage classifications in abstract
     Clinical if cancer known prior to treatment
  - Either pathological or posttherapy based on qualifying treatment

### Registry Specific AJCC Rules

- · Cancer registry documentation and data
  - Specific registry guidelines throughout chapter 1
  - Document what is found
  - Do *not* adjust, interpret, change
    Critical for researchers to have this unaltered data
- Rationale
  - Registry data affects future patient care
  - Altered data could negatively impact patient care
- Note to registrars on AJCC staging
  - Do not complete data items when info unclear or unavailable
     Never prioritize completeness over accuracy





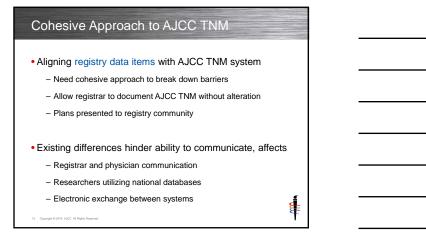
# AJCC Terminology • Stage

- Used only for aggregate information resulting from T, N, and M
   Never individual categories (no T stage)
- Classifications time point in patient's care continuum – Time frame (staging window) – Criteria

### Categories

- T, N, M
   Prognostic factors required for stage group
- AJCC Prognostic Stage Groups
  - Stage groups or stage
     Aggregate information





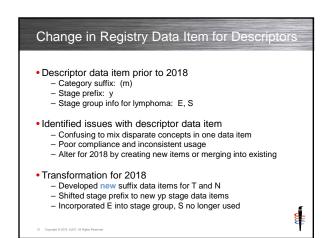
## Registry Data Alignment with AJCC

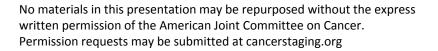
• Facilitates communication with physicians & researchers Use same language as AJCC
 No more registry shorthand and storage codes

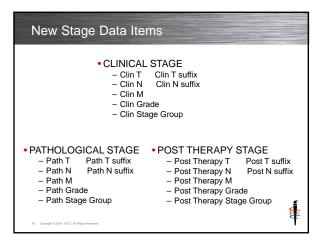
- Examples from registrar questions & physicians c2 c2a c0 Tc2 Nc2a Mc0
  - cTc2 cNc2a cMc0

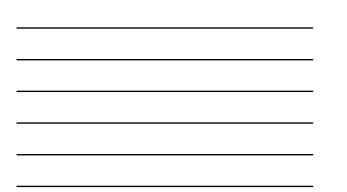
• All new AJCC 8th stage data items

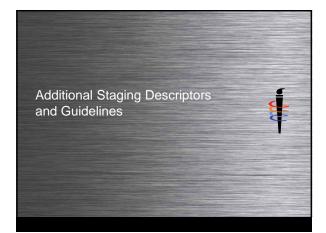
- Clinical
  Pathological
  Posttherapy
- Use format specified in AJCC manual, up to 15 characters
  - ypTis(DCIS) pN0(mol+)
  - cM1b(0)
  - 3C (only exception, do not use Roman numerals for group)

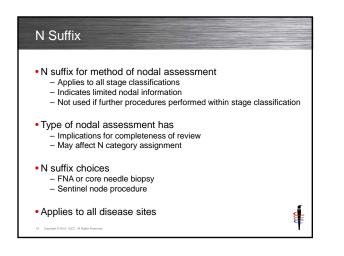


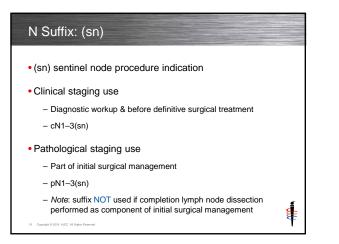






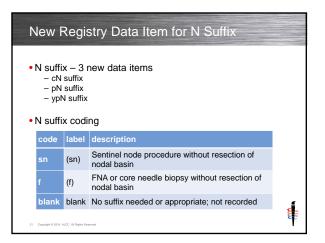






### N Suffix: (f)

- (f) FNA or core needle biopsy of node indication
- · Clinical staging use
  - Diagnostic workup before treatment
  - cN1-3(f)
- Pathological staging use
  - Part of primary site surgical resection
  - pN1–3(f)
  - Note: suffix NOT used if subsequent completion lymph node dissection as component of initial surgical management
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| New Registry Data Item for T Suffix |  |   |  |   |  |  |  |
|-------------------------------------|--|---|--|---|--|--|--|
|                                     | – cT<br>– pT<br>– yp                         | fix – 3 new data items<br>T suffix<br>T suffix<br>oT suffix<br>fix coding |  |   |  |  |  |
|                                     | code   | label   | description  |   |  |  |  |
|                                     | m  | (m)   | Multiple synchronous tumors<br>OR<br>For thyroid differentiated and anaplastic only,<br>Multifocal tumor |   |  |  |  |
|                                     | s  | (s) For thyroid differentiated and anaplastic only, Solitary tumor        |  | ſ |  |  |  |
|                                     | blank  | blank   | No information available; not recorded   |   |  |  |  |
| 22                                  | 22 Copyright 0/2018 ALCC All Rights Reserved |   |  |   |  |  |  |



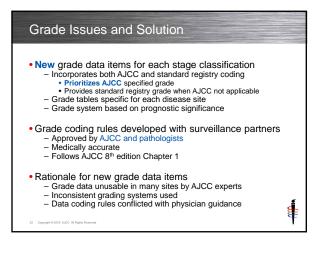
# Ordelines – Unknown Primary Site One primary tumor evidence, BUT anatomic site suspected One used if origin cannot be determined, no site information One One used if origin cannot be determined, no site information One One used if origin cannot be determined, no site information One One used if origin cannot be determined, no site information One One used if origin cannot be determined, no site information One One used if origin cannot be determined, no site information One One used if origin cannot be determined information One used if origin cannot be

# Grade in AJCC 8E

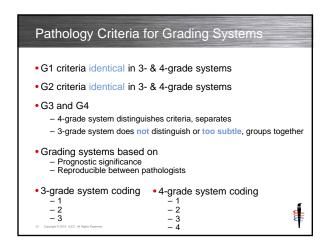
- Recommended grading system specified in each chapter
  - Grading system to be used by pathologist and
  - Documented in cancer registry
- Cancer registry

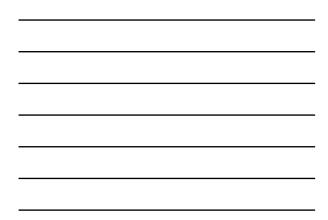
AJCC AI Righ

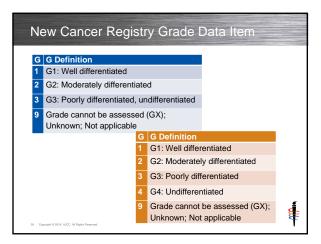
- Must record grade as specified in disease site chapter
- According to rules only in chapter 1 and disease site chapter
- Do NOT use registry rules for new (AJCC) grade data item



| Comparison of Pathology Grading Systems        |                               |  |  |  |  |
|--|-------------------------------|--|--|--|--|
| 3-Grade System                                 | 4-Grade System                |  |  |  |  |
| GX: Cannot be assessed                         | GX: Cannot be assessed        |  |  |  |  |
| G1: Well differentiated                        | G1: Well differentiated       |  |  |  |  |
| G2: Moderately differentiated                  | G2: Moderately differentiated |  |  |  |  |
|  | G3: Poorly differentiated     |  |  |  |  |
| G3: Poorly differentiated,<br>Undifferentiated | G4: Undifferentiated          |  |  |  |  |
|  |                               |  |  |  |  |

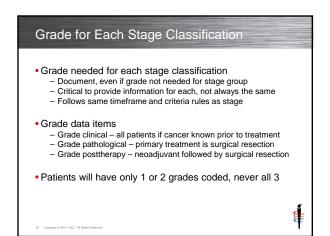


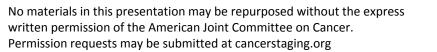






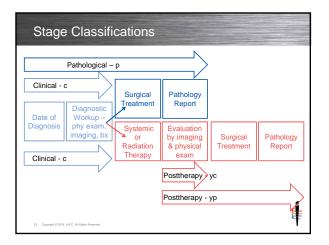
| Breast Grade |  |  |  |  |  |
|--------------|--|--|--|--|--|
| G            | G Definition   |  |  |  |  |
| 1            | G1: Low combined histologic grade (favorable), SBR score of 3-5 points                     |  |  |  |  |
| 2            | G2: Intermediate combined histologic grade (moderately favorable); SBR score of 6–7 points |  |  |  |  |
| 3            | G3: High combined histologic grade (unfavorable); SBR score of 8–9 points                  |  |  |  |  |
| L            | Nuclear Grade I (Low) (in situ only)   |  |  |  |  |
| М            | Nuclear Grade II (interMediate) (in situ only)   |  |  |  |  |
| н            | Nuclear Grade III (High) (in situ only)  |  |  |  |  |
| А            | Well differentiated  |  |  |  |  |
| В            | Moderately differentiated  |  |  |  |  |
| С            | Poorly differentiated  |  |  |  |  |
| D            | Undifferentiated, anaplastic   |  |  |  |  |
| 9            | Grade cannot be assessed (GX); Unknown; Not applicable                                     |  |  |  |  |
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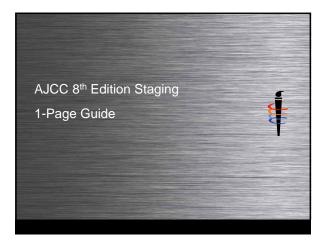


|   | LVI: Lymphovascular Invasion  |  |   |  |  |  |
|---|---|--|---|--|--|--|
|   |   |  |   |  |  |  |
| • | <ul> <li>LVI further refined for 8<sup>th</sup> edition</li> </ul>        |  |   |  |  |  |
|   | <ul> <li>Critical to know each component in some disease sites</li> </ul> |  |   |  |  |  |
|   | - Chapter will specify use of LVI vs. L, V, both L & V                    |  |   |  |  |  |
|   |   | 1 2 · · ·  |   |  |  |  |
|   | Component<br>of LVI   | Description  |   |  |  |  |
|   | coding  |  |   |  |  |  |
|   | 0   | LVI not present (absent)/not identified                            |   |  |  |  |
|   | 1   | LVI present/identified, NOS  |   |  |  |  |
|   | 2   | Lymphatic and small vessel invasion only (L)                       |   |  |  |  |
|   | 3   | Venous (large vessel) invasion only (V)                            |   |  |  |  |
|   | 4   | BOTH lymphatic and small vessel AND venous (large vessel) invasion | á |  |  |  |
|   | 9   | Presence of LVI unknown/indeterminate                              | 8 |  |  |  |
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# AJCC 8th Edition Staging: 1-Page Guide

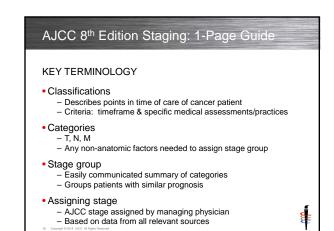
### AJCC 8th Edition Staging

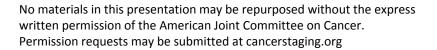
• Rules and associated rationale for Eighth Edition AJCC

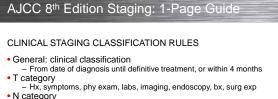
- General rules described in AJCC Chapter 1
- Refer to relevant disease site chapters

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- Specific allowable disease site differences
- Stage differences necessary for appropriate medical care of patient







- N category

   Phy exam, imaging, FNA/core needle bx, excisional bx, sentinel node bx
- M category Clinical history, physical exam, imaging, FNA/biopsy

### Rationale

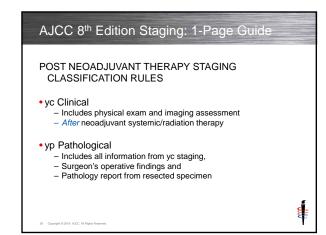
- Diagnostic bx of primary/nodes/distant mets = clinical classification
   Path report on biopsy is not pathological staging
   cN even if based on lymph node bx

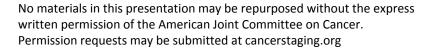
- Clinical M category is
   CM if based on history, physical exam and imaging
   PM1 if based on biopsy proven involvement

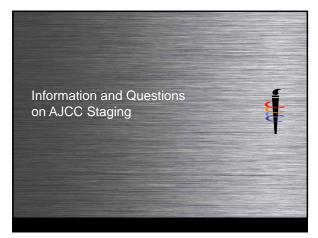
### AJCC 8<sup>th</sup> Edition Staging: 1-Page Guide

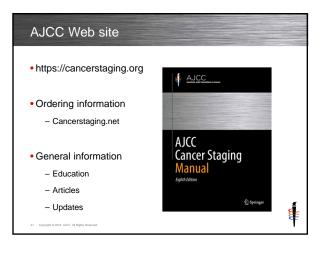
### PATHOLOGICAL STAGING CLASSIFICATION RULES

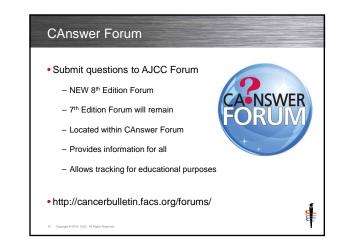
- General: pathological classification
   \_ Clinical stage, op findings, path report resected specimen T category
- Must meet definitive surgical treatment specified in chapter N category
- Microscopic assessment of 1 node required, include imaging & dx bx M category
   History, physical exam, imaging, FNA/biopsy, resection
- Rationale
  - Include all findings even if not microscopically proven
  - Include all influings even in normicol social proven
     Pathological staging based on synthesis of all info
     Not solely on resected specimen pathology report
     Pathologist cannot assign final stage
     Pathological M category is
     cM if based on physical exam and imaging
     pM1 if based on bx proven involvement, "pM0" NOT a valid category











# Quiz





### Summary

- Identify purpose and cohesive approach to AJCC staging
- Navigate new format and expansion of Chapter 1
- Comprehend use of stage descriptors and guidelines
- Identify key information of 8<sup>th</sup> edition staging 1-page guide

| Eighth Edition Webinar Schedule             |                             |                 |  |  |  |  |  |
|---|-----------------------------|-----------------|--|--|--|--|--|
| Webinar Topic                               | Date                        | Time            |  |  |  |  |  |
| Introduction & Descriptors                  | Thursday, May 31, 2018      | 1 pm – 2 pm CDT |  |  |  |  |  |
| Minor Rule Changes                          | Tuesday, May 15, 2018       | 1 pm – 2 pm CDT |  |  |  |  |  |
| Major Rule Changes                          | Tuesday, March 20, 2018     | 1 pm – 2 pm CDT |  |  |  |  |  |
| CAnswer Forum & Staging<br>Questions        | Tuesday, April 17, 2018     | 1 pm – 2 pm CDT |  |  |  |  |  |
| Head and Neck Staging                       | Wednesday, July 25, 2018    | 1 pm – 2 pm CDT |  |  |  |  |  |
| Breast Staging                              | Tuesday, September 11, 2018 | 1 pm – 2 pm CDT |  |  |  |  |  |
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