

Standard 4.6: The Importance of CAP Protocols and Understanding Synoptic Reporting

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Standard 4.6

The guidelines for patient management and treatment currently required by the CoC are followed.



Standard 4.6

Purpose: To encourage an organized approach to providing quality care

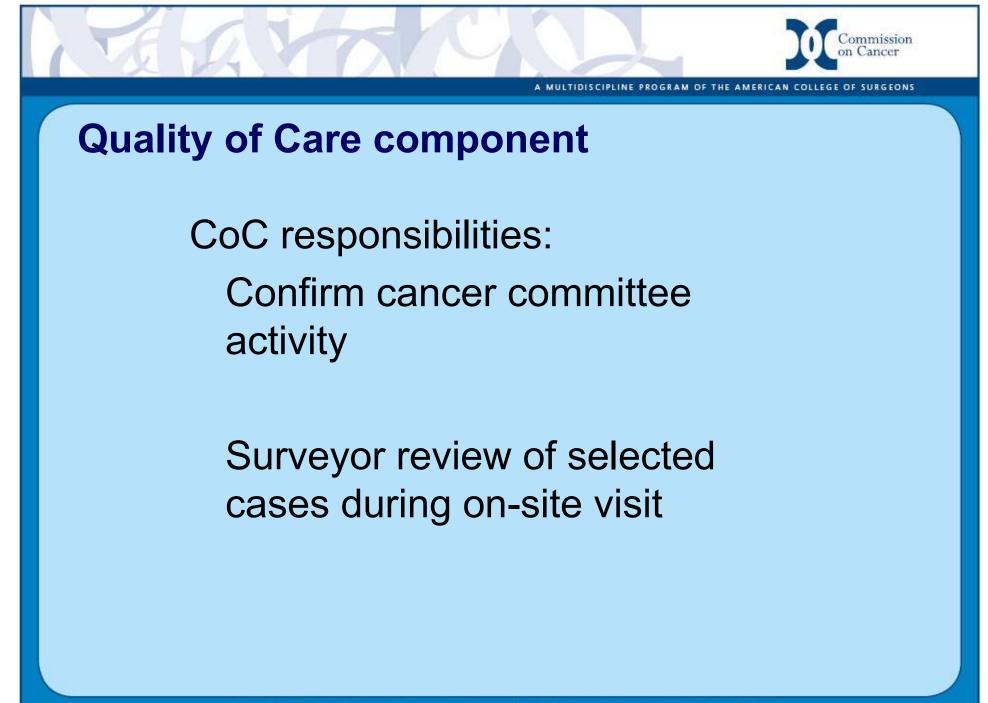


Two components

Cancer committee reviews quality of care

90% of eligible pathology reports include the scientifically validated elements defined by CAP





History of Active Monitoring Reported A MULTIDISCIPLINE PRO in the SAR: verify through review of minutes Quality of Patient Care Enter the date of the cancer committee's discussions of the quality of patient care using the CoC guality reporting tools, and check all measures discussed and/or reviewed. Check all measures that apply for each entry. Measure(s) Discussed/Reviewed Date of Cancer Radiation Combination Tamoxifen or At least 12 Adjuvant Radiatio Committee therapy is chemotherapy is third generation regional lymph chemotherapy is therapy is considered or Discussion / administered to considered or aromatase nodes are considered or Review women administered for inhibitor is administered for administered for removed and under age 70 women under considered or pathologically patients under the patients under receiving breast 70 with AJCC T1c, administered for age of 80 with AJCC examined for he ade of 80 of with conserving or Stage II or III women with resected colon Stage III (Ivmph node surgery for hormone AJCC T1c or cancer. positive) colon AJCC T4N0M0 receptor negative Stage II or III breast cancer. cancer. or Stage III breast cancer. hormone resected rectal receptor positive cancers. breast cancer. Add (mm/dd/yy) Measure(s) Discussed/Reviewed Date of Radiation Combination Tamoxifen or third At least 12 regional Adjuvant Radiation therapy is considered or Cancer therapy is chemotherapy is generation Mmph nodes are chemotherapy is Committee administered to considered or aromatase removed and considered or administered for Discussion / women administered for inhibitor is pathologically administered for patients under Review under age 70 women under considered or examined for patients under the age the age receiving breast resected colon of 80 with AJCC Stage of 80 of with 70 with AJCC T1c. administered for conserving or Stage II or III women with cancer. III (lymph node positive) AJCC T4N0M0 or surgery for hormone receptor AJCC T1c or Stage colon cancer. Stage III resected rectal cancers. breast cancer. negative breast II or III hormone cancer. receptor positive breast cancer. 01/13/09 Yes Yes Yes Yes Yes Edit Yes 03/14/07 Edit Yes Yes Yes Yes Yes Yes

Yes

Yes

Edit

Yes

04/08/08

Yes

Yes

Yes

		Iministered within 4 n with AJCC Stage III (lyn	
		l Name: ical Center	
Confirmed Survey Date:		Performance Rate: MAC: 40% ACT: 64.3%	
Surveyor:		Benchmark Rate: MAC: 77.7% ACT: 74.1%	
Acc Num	Seq Num	Dx Date	Dx Age
200600038	00	01/17/2006	58
200600051	00	01/26/2006	59
200600070	00	01/06/2006	43
200600103	01	01/03/2006	62
200600108	00	01/17/2006	
200600135	00	02/01/2006	58
200600150	00	02/09/2006	36
	00	02/09/2006	67
200600224			

Commission on Cancer - Standard 4.6 Surveyor Review - Case List

A MULTIDISCIPLINE PROGRAM OF THE AMERICAN COLLEGE OF SURGEONS

Commission

Quality of Patient Care: Case Review List Posted 2 Weeks Prior to Survey Date

Registries – get PDF of SAR displayed case list

Surveyors – get PDF with case-specific review directives

· Have ready for review the hospital patient chart and cancer regsitry abstract.

• Flag the medical oncology consult notes and treatment summary reports/letters appearing in the patient chart, and highlight those sections of the cancer registry abstract related to first course systemic therapy.

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(400 dows)



Program PDF: Case List and Preparation Instructions





For each of the listed cases:

 Have ready for review the hospital patient chart and cancer regsitry abstract.

 Flag the medical oncology consult notes and treatment summary reports/letters appearing in the patient chart, and highlight those sections of the cancer registry abstract related to first course systemic therapy. [HT] Tamoxifen or third generation aromatase inhibitor is considered or administered within 1 year (365 days) of diagnosis for women with AJCC T1c N0 M0, or Stage II or III ERA and/or PRA positive breast cancer.

Performance Rate: 13.6% Benchmark Rate: XX.X %

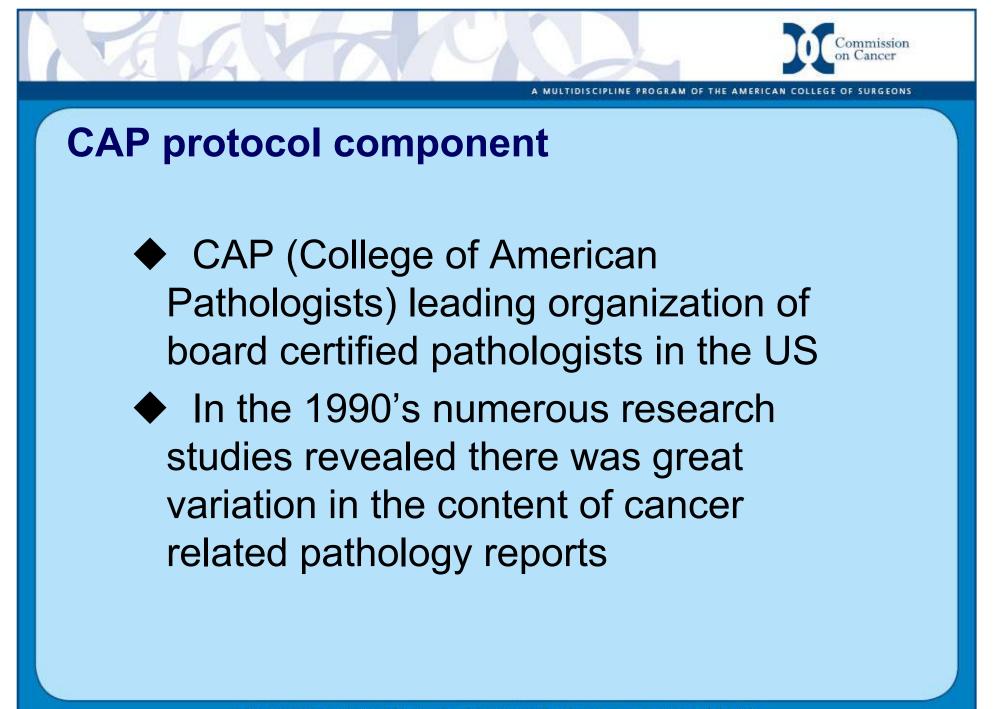
	Case IDs					
Ace Num	Seq Num	Dx Date	Pt. Age			
200600178	00	03/03/2006	63			
200600427	00	07/26/2006	50			
200600669	00	11/30/2006	88			
200600621	00	10/26/2006	60			
200600396	00	07/13/2006 42				
200600117	00	03/16/2006	03/16/2006 47			
200600717	00	12/22/2006 42				
200600105	01	02/17/2006	59			
200600250	00	05/12/2006	006 93			
200600302	00	06/01/2006	06/01/2006 61			
200600627	00	11/14/2006 73				
200600115	00	03/17/2006 74				
200600420	00	07/18/2006 45				
200600118	00	03/24/2006 50				
200600481	00	08/16/2006 66				
200600472	00	08/24/2006	08/24/2006 67			
200600389	00	07/10/2006	46			

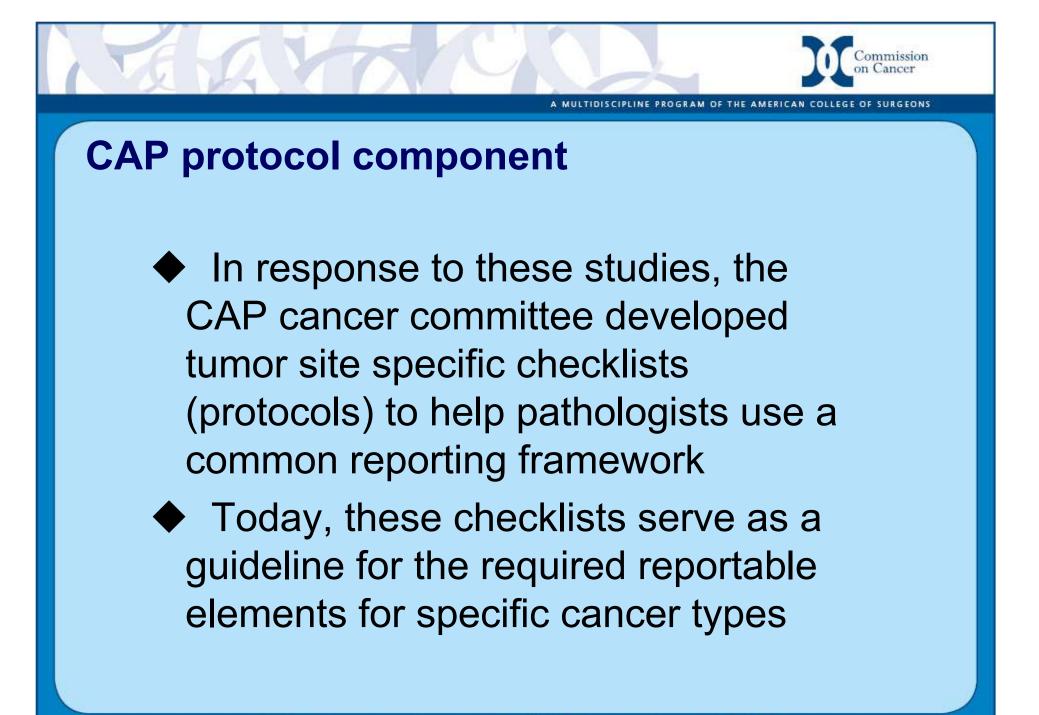


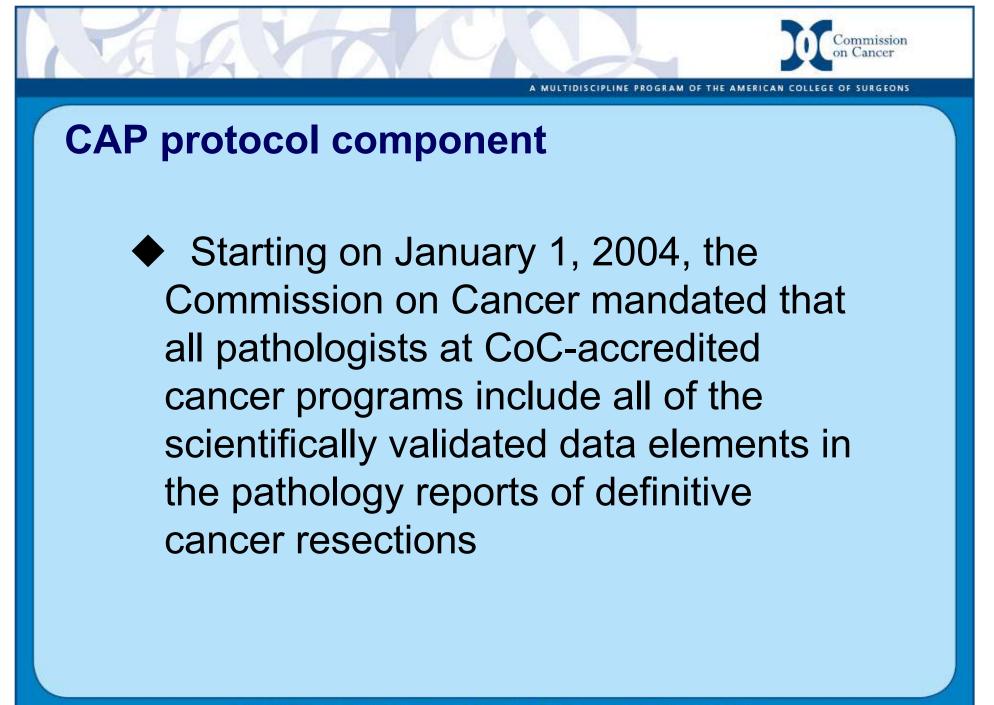
CAP protocol component

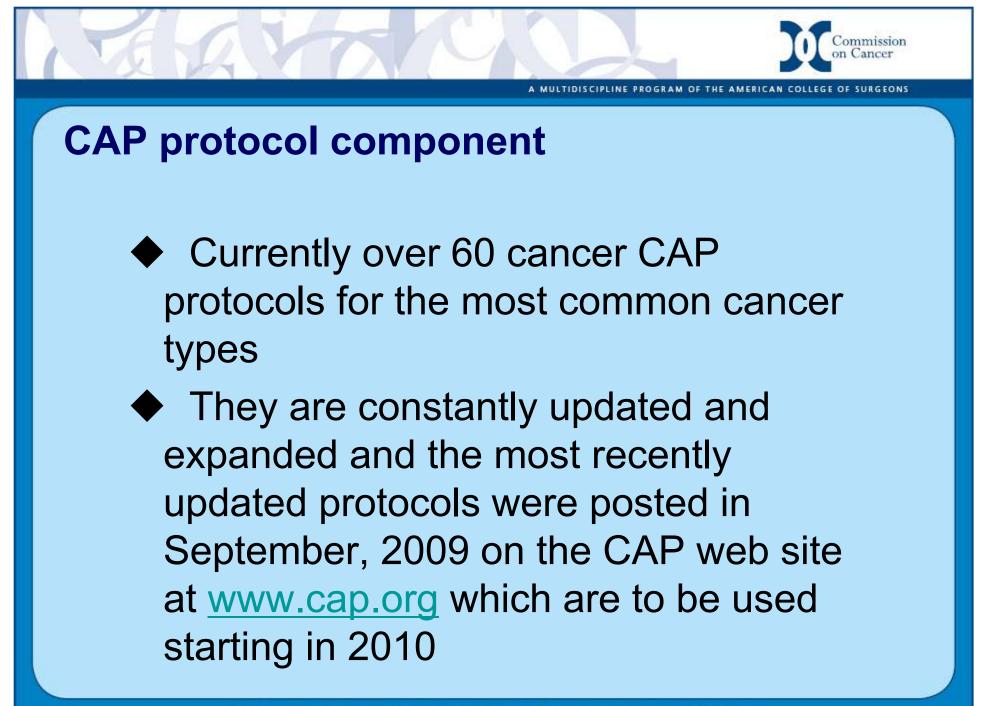
All SVDE included In 90% of pathology reports

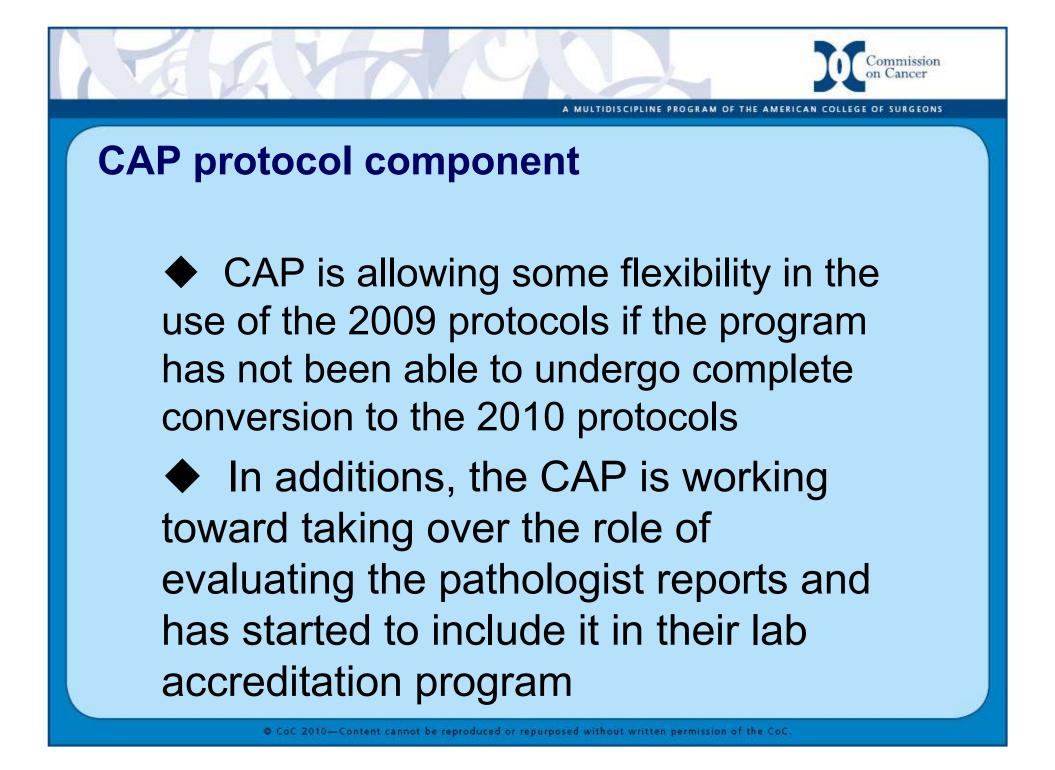
Applies to: Invasive tumors Resected specimens Commendation requirements All SVDE included in 90% of reports AND SVDE in synoptic format

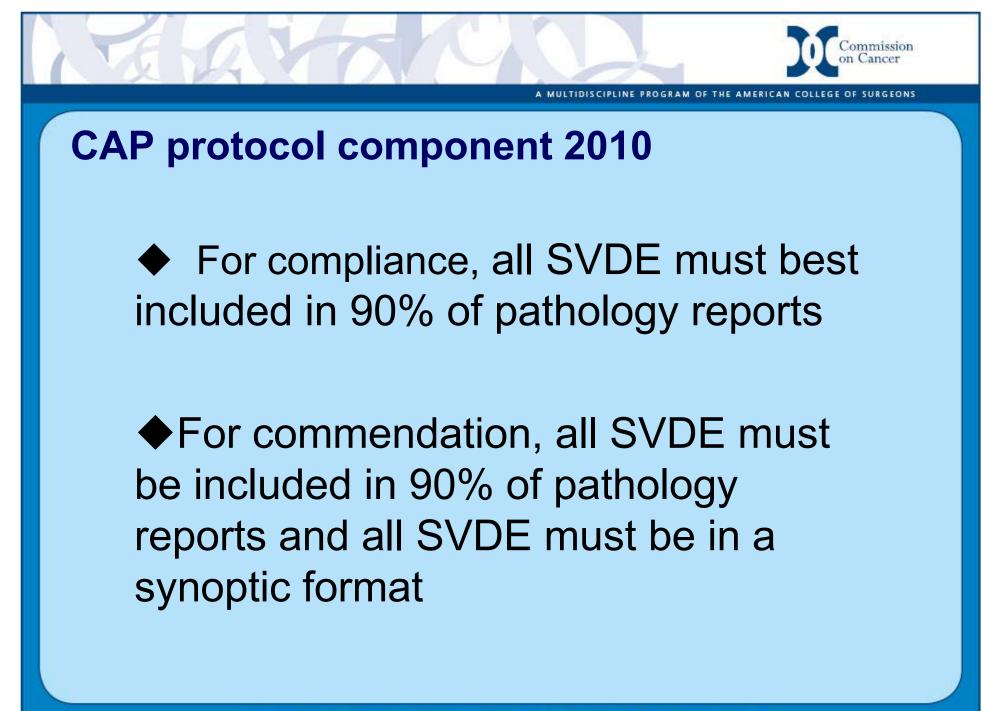














What is Synoptic Format?



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Advancing Excellence

January 6, 2009

Frederick L. Greene, MD, FACS, Chair American College of Surgeons, Commission on Cancer 633 N. Saint Clair St. Chicago, IL 60611

Dear Dr. Greene:

The College of American Pathologists (CAP) applauds and supports the Commission on Cancer's (COC) initiative to motivate cancer centers to incorporate a synopsis of cancer pathology staging, prognostic and predictive parameters (CAP) protocol endorsed scientifically validated data elements – SVDE) into their reports by offering commendation status in COC Standard 4.6. The following definitions and examples attempt to create guidelines for writing, reading, and inspecting pathology reports. Standard 4.6 allows traditional matritive style reporting in addition to, but not instead of, synoptic style reporting in which the required SVDE defined in the published CAP Cancer Protocols are listed.

The CAP has developed this list of specific features that define synoptic reporting formatting.

- 1. Data is displayed as the required checklist item (SVDE) followed by its answer (response), e.g. "Tumor Size: 5.5 cm".
- 2. Each diagnostic parameter pair (checklist SVDE: response) is listed on a separate line.
- 3. The synopsis can appear in the diagnosis section of the pathology report, at the end of the report or in a separate
- section, but all SVDE and responses must be listed together in one location.
 Additional items (not required for the CAP checklist) may be included in the synopsis but all required SVDE must be present.
- Narrative style comments are permitted in addition to, but are not as a substitute for the synoptic reporting. It is not uncommon for narrative style comments to be used for clinical history, gross descriptions and microscopic descriptions.

The CAP has developed a few examples of synoptic reporting and I have included these for the use of the COC as training tools for COC inspectors. Sample reports 1 and 2 are examples of acceptable synoptic reporting; Sample reports 3 and 4 do not show acceptable synoptic style reporting. We would recommend that CoC surveyors focus their evaluation of synoptic reporting only on definitive resection specimens and not biopsies at this time.

To make this important transition more effective the College of American Pathologists Cancer Committee, along with the Disgnostic Intelligence and Health Information Technology Committee, offer to form an ad-hoc review panel for cancer centers who may want to submit up to 3 cases to ensure if they conform to the synoptic reporting format.

Sincerely

Mahul B. Amin, MD Cancer Committee Chair

cc: John F. Madden MD PhD, Monica de Baca MD, Thomas M. Wheeler MD, Paul N. Valenstein MD Defined in letter from CAP

Letter and examples found in Best Practices Repository http://www.facs.org/ cancer/coc/bestprac tices.html

College of American Pathologists



Synoptic Format

Data is displayed as the required checklist item (SVDE) followed by its answer (response)

Each diagnostic parameter pair (SVDE: response) is listed on a separate line Laterality: Left Tumor size: 5.5 cm Histology: Adenocarcinoma

All SVDE and responses must be listed together in one location in the report

All SVDE must be present; other items may be included

Narrative comments permitted but do not substitute for synoptic



What Does Synoptic Reporting Look Like?

DIAGNOSIS SECTION:

KIDNEY (LEFT): ADENOCARCINOMA

MACROSCOPIC

SPECIMEN TYPE: Radical Nephrectomy LATERALITY: Left TUMOR SITE: Upper pole FOCALITY: Unifocal TUMOR SIZE: Greatest dimension is 7.2 cm MACROSCOPIC EXTENT OF TUMOR: Tumor extends into major veins

MICROSCOPIC

HISTOLOGIC TYPE: Clear cell (conventional) renal carcinoma HISTOLOGIC GRADE: (Furhman Nuclear Grade): 2

PATHOLOGIC STAGING (pTN)

PRIMARY TUMOR (pT): pT3
REGIONAL LYMPH NODES (pN): Nx
Number of lymph nodes examined: 0
Number of lymph nodes involved: 0
MARGINS: Renal vein margin positive
ADRENAL GLAND: Univolved
VENOUS (LARGE VESSEL) INVASION (V)(excluding renal vein and inferior vena cava): Negative
LYMPHATIC (SMALL VESSEL) INVASION (L): present
ADDITIONAL PATHOLOGIC FINDINGS: Chronic glomerulonephritis present in non-involved renal parenchyma.



What Does Synoptic Reporting Look Like?

History: 79 year old male with dyspepsia and weight loss. A recent supraclavicular lymph node biopsy revealed signet ring cell adenocarcinoma

Gross Description: Received in formalin is a 10.0 x 6.5 x 3.2 cm segment of stomach, with a palpable firm 4.0 x 2.2 cm mass on the designated lesser curvature. The external surface of the specimen is unremarkable and inked black. The cut surfaces demonstrate the mass and adjacent firm areas of nodularity. The remainder of the gastric mucosa is unremarkable. Six lymph node candidates and representative sections of the stomach are submitted.

Microscopic description: Microscopic examination was performed. See synoptic report. The uninvolved stomach shows chronic inactive gastritis with intestinal metaplasia.

DIAGNOSIS: Stomach (proximal): Invasive adenocarcinoma

SPECIMEN TYPE: Stomach, partial gastrectomy, proximal TUMOR SITE: Lesser curvature TUMOR CONFIGURATION: Diffusely infiltrative TUMOR SIZE: 4 cm in greatest dimension HISTOLOGIC TYPE: Signet ring cell carcinoma HISTOLOGIC GRADE: See comment below MARGINS PROXIMAL: Negative DISTAL: Negative RADIAL: Negative DISTANCE OF INVASIVE CARCINOMA FROM NEAREST MARGIN: 3 mm, radial LYMPHATIC INVASION: Present LARGE VESSEL INVASION: Absent PERINEURAL INVASION: Present

PATHOLOGIC STAGING (pTN):

PRIMARY TUMOR: pT2a (tumor invades muscularis propria) REGIONAL LYMPH NODES: pN1 Number examined: 6 Number involved: 5 DISTANT METASTASIS: pM1 See report \$2343 (non-regional lymph node metastasis)

COMMENT: Signet-ring cell carcinomas are not typically graded but are high-grade and would correspond to grade 3.



What Synoptic Reporting Doesn't Look Like

Pathology Report Sample 3 Name: Jane Doe

History: 76 y/o female with colonic mass

DIAGNOSIS:

NAME: JANIS DOE

Invasive adenocarcinoma, 3.4 x 3.0 cm involving muscularis All margins negative No lymphatic invasion No metastatic tumor identified.

GROSS DESCRIPTION: Received fresh is a right colon 32 cm in 1 x 3.0 cm nodular mass. 36 lymph nodes were retrieved. Representat

MICROSCOPIC DESCRIPTION: Microscopic examination perfo

DIAGNOSIS:

KIDNEY, LEFT (RADICAL NEPHRECTOMY):

Clear cell adenocarcinoma, Furhman nuclear grade 3, 8.3 cm, unifocal involving upper pole of kidney and extending into the renal vein with the renal vein margin positive.

No lymph nodes submitted, adrenal gland uninvolved, lymphatic invasion present, no venous large vessel invasion, pT3, Nx.

NOT ACCEPTABLE AS SYNOPT NOT ALL ELEMENTS

CLINICAL HISTORY: A 86 year old female with a left renal mass in the upper pole

GROSS DESCRIPTION SECTION: Received in formalin, labeled "left kidney" is a 14.5 x 7.1 x 2.5 cm kidney with unremarkable perirenal fat present at the upper pole (suture oriented, per requisition). A 5.3 cm in length segment of ureter exits from the hilum. The renal vein appears occluded. The cut sections of the specimen demonstrate a 8.3 x 2.5 x1.5 cm tan-orange partially circumscribed tumor with sharp borders and central hemorrhage present in the upper pole. Gerota's fascia appears uninvolved. The tumor extends into the renal vein; the venous margin appears positive for tumor. The remainder of the kidney is unremarkable.

MICROSCOPIC SECTION: Microscopic examination performed.

ALTHOUGH ALL ELEMENTS ARE PRESENT, NOT ACCEPTABLE AS SYNOPTIC STYLE REPORTING

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Report #1

Commission on Cancer

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ONS

FINAL INTERPRETATION:

SPECIMEN A - SENTINEL LYMPH NODE #1, LEFT AXILLA, EXCISION: ONE BENIGN LYMPH NODE.

SPECIMEN B - SENTINEL LYMPH NODE #2, LEFT AXILLA, EXCISION: ONE BENIGN LYMPH NODE.

SPECIMEN C - LEFT AXILLARY LYMPH NODE, EXCISION: ONE BENIGN LYMPH NODE.

SPECIMEN D - LEFT BREAST, SIMPLE MASTECTOMY:

- 1. INFILTRATING DUCTAL CARCINOMA, TUBULAR TYPE, OF MID UPPER BREAST (1. 5 CM).
- PROMINENT TUBULE FORMATION (SCORE EQUALS 1 OF 3).
- 3. MINIMAL NUCLEAR PLEOMORPHISM (SCORE EQUALS 1 OF 3).
- LESS THAN ONE MITOSIS PER TEN HIGH POWERED FIELDS (SCORE EQUALS 1 OF 3).
- GRADE 1 OF III (TOTAL NOTTINGHAM SCORE EQUALS 3 OF 9).
- NO CARCINOMA-IN-SITU IS IDENTIFIED.
- 7. SEVERAL TUMOR MICROCALCIFICATIONS ARE PRESENT.
- 8. TUMOR NECROSIS IS ABSENT.
- ALL MARGINS ARE FREE OF CARCINOMA WITH INVASIVE CARCINOMA EXTENDING TO WITHIN 0. 4 CM OF THE NEAREST (SUPERIOR) MARGIN.
- 10. NO LYMPHATIC OR VENOUS INVASION IS IDENTIFIED.
- 11. THE NONNEOPLASTIC BREAST DEMONSTRATES MILD USUAL EPITHELIAL HYPERPLASIA, APOCRINE METAPLASIA, MICROCALCIFICATIONS, AND DUCT ECTASIS AND STASIS.
- 12. ADDITIONALLY, THE PREVIOUS BIOPSY SITE DEMONSTRATES HEMORRHAGE AND FAT NECROSIS.
- 13. BENIGN NIPPLE DEMONSTRATING NO DIAGNOSTIC ABNORMALITY.
- 14. SKIN DEMONSTRATING TWO BENIGN HEMANGIOMAS.

COMMENT: This tumor is consistent with TNM stage pT1cN0(sn)MX.



Report #1

Laterality: Left Size of Invasive Component (greatest dimension): 1.5cm (no carcinoma in situ is identified) Histologic Type: Infiltrating Ductal Carcinoma, Tubular Type Nottingham Grade or Other Grade: 3/9 Mitotic Count *: <1 per HPF Primary Tumor (pT): pT1c Regional Lymph Nodes (pN): cM0(sm) Distance from uninvolved margin or identification of the margin involved: 0.4 cm *(Not required if other grading system is used)

Assessment:

Not synoptic. Multiple items appear on the same line. Not using the element:response format

11/6/09



Report #2

FINAL INTERPRETATION:

SIGMOID COLON, SEGMENTAL RESECTION:

- INVASIVE COLONIC ADENOCARCINOMA, LOW GRADE (4.2 CM).
- 2. FOCALLY THE TUMOR EXTENDS THROUGH THE MUSCULARIS PROPRIA
- WITH 2 TO 3 MM INVASION OF THE PERICOLONIC ADIPOSE TISSUE. 3. PROXIMAL, DISTAL AND RADIAL MARGINS ARE FREE OF DYSPLASIA OR
- CARCINOMA WITH INVASIVE CARCINOMA EXTENDING TO WITHIN 4. 5 CM OF THE NEAREST (PROXIMAL OR DISTAL) MARGIN.
- 4. NO LYMPHATIC OR VENOUS INVASION IS IDENTIFIED.
- 5. THREE OF TWELVE LYMPH NODES DEMONSTRATE METASTATIC ADENOCARCINOMA WITH EXTRACAPSULAR EXTENSION IDENTIFIED.
- HISTORY OF NEOADJUVANT TREATMENT IS UNKNOWN.
- THE NONNEOPLASTIC MUCOSA DEMONSTRATES A SMALL HYPERPLASTIC POLYP.

COMMENT: This tumor is consistent with TNM stage pT3N1MX.

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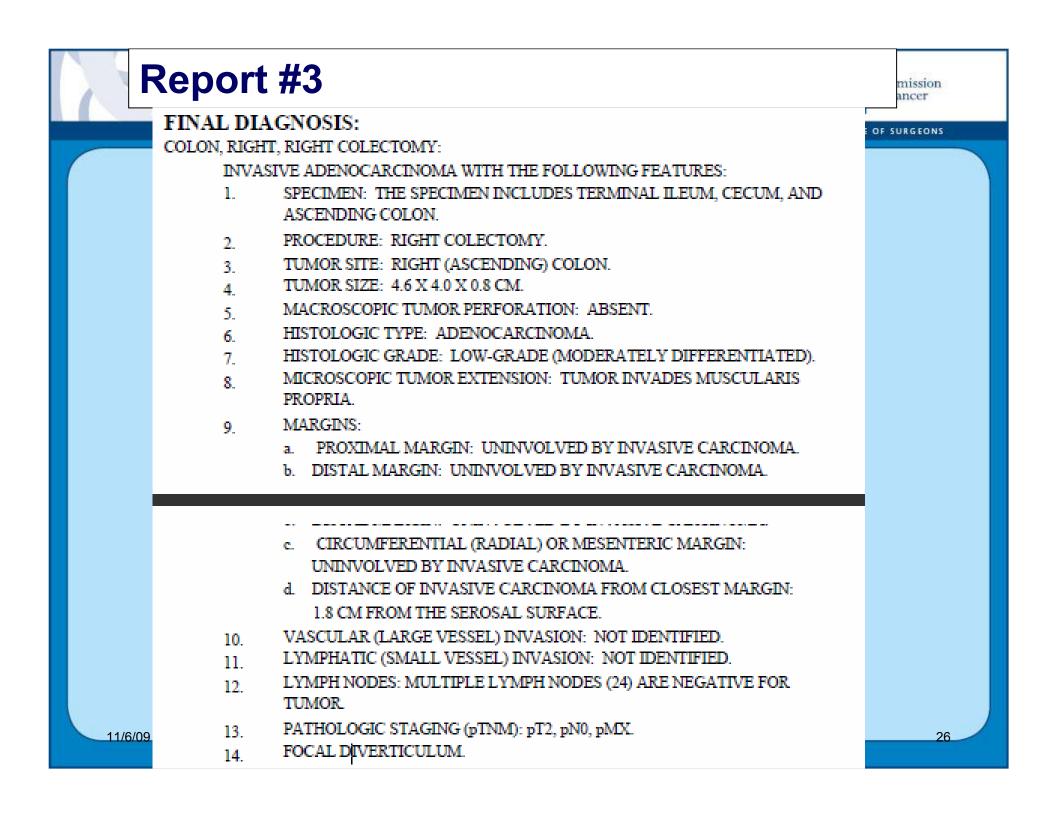


Report #2 Histologic Type: Adenocarcinoma Histologic Grade: Low grade Primary Tumor (pT): pT3 Regional Lymph Nodes (pN): N1 Number LN examined: 12 Number LN involved: 3 **Proximal Margin*: Free** Distal Margin*: Free Circumferential (Radial) Margin*: Free * A statement that all margins are negative is acceptable

Assessment:

Not synoptic. Multiple items appear on the same line. Not using the element:response format

11/6/09





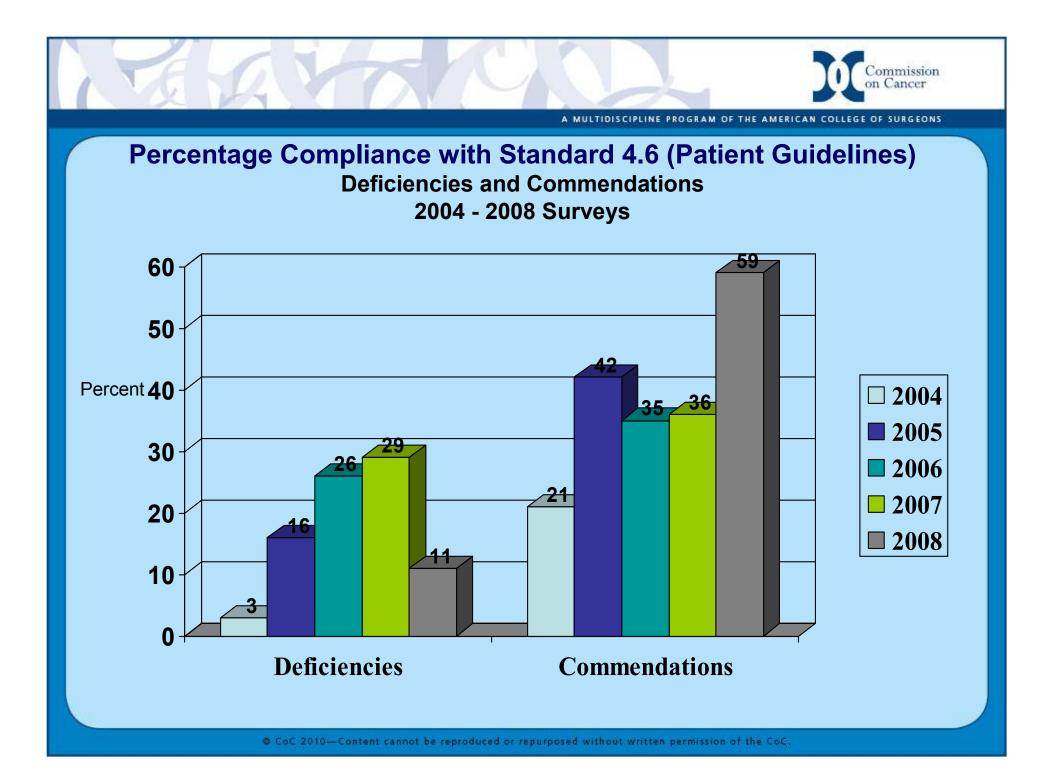
Report #3

Histologic Type: Adenocarcinoma
Histologic Grade: Low grade
Primary Tumor (pT): pT2
Regional Lymph Nodes (pN): pN0
Number LN examined: 24
Number LN involved: Multiple lymph nodes (24) are negative
Proximal Margin*: Uninvolved
Distal Margin*: Uninvolved
Circumferential (Radial) Margin*: Uninvolved
* A statement that all margins are negative is acceptable

Assessment:

Synoptic

11/6/09





Highlights collaborative, multidisciplinary efforts

Moves responsibility beyond registry staff

Links all departments of the cancer program

Call to action for cooperation within cancer program and between cancer programs for data capture and follow-up

Uses past performance as a means to foster quality improvement for cancer cases today