

# TRANSFORMATION SAMPLE

Excerpt from a medical journal



PRECISION  
CONTENT™



# EXCERPT FROM A MEDICAL JOURNAL...

- pN3 description only closely mirrors descriptions for pN3a + pN3b + pN3c
- Use of footnotes confusing
- “Clinically detected” and “Not clinically detected” are not exact opposites
- Inconsistent enumeration of lymph nodes

pN3 Metastases in ten or more axillary lymph nodes; or in infraclavicular (level III axillary) lymph nodes; or in clinically detected\*\*\*\* ipsilateral internal mammary lymph nodes in the presence of one or more positive level I, II axillary lymph nodes; or in more than three axillary lymph nodes and in internal mammary lymph nodes with micrometastases or macrometastases detected by sentinel lymph node biopsy but not clinically detected\*\*\*; or in ipsilateral supraclavicular lymph nodes

pN3a Metastases in ten or more axillary lymph nodes (at least one tumor deposit greater than 2.0 mm); or metastases to the infraclavicular (level III axillary lymph) nodes

pN3b Metastases in clinically detected\*\*\*\* ipsilateral internal mammary lymph nodes in the presence of one or more positive axillary lymph nodes; or in more than three axillary lymph nodes and in internal mammary lymph nodes with micrometastases or macrometastases detected by sentinel lymph node biopsy but not clinically detected\*\*\*

pN3c Metastases in ipsilateral supraclavicular lymph nodes

Notes:

\*\*\* "Not clinically detected" is defined as not detected by imaging studies (excluding lymphoscintigraphy) or not detected by clinical examination.

\*\*\*\* "Clinically detected" is defined as detected by imaging studies (excluding lymphoscintigraphy) or by clinical examination and having characteristics highly suspicious for malignancy or a presumed pathologic macrometastasis based on fine needle aspiration biopsy with cytologic examination.



# SAME CONTENT AFTER RESTRUCTURE TRANSFORMATION

- 44.2% reduction in word count
- 20% reduction in passive voice
- 18.4% increase in Flesch Reading Ease score
- 30% increase in white space
- Elimination of footnotes
- Addition of labels and visual elements



## Metastases

### Pathological node level 3 definitions

The following table is used by clinicians to classify metastases found in regional lymph nodes.

Node level...	Which includes...	Describes metastases found in...
pN3	pN3a	10 or more axillary lymph nodes where at least one deposit is greater than 2.0 mm.
		any number of infraclavicular (level III axillary) lymph nodes.
	pN3b	<ul style="list-style-type: none"><li>any number of ipsilateral internal mammary lymph nodes detected by<ul style="list-style-type: none"><li>clinical exam</li><li>fine needle aspiration biopsy, or</li><li>imaging study, and</li></ul></li><li>any number of level I or II axillary lymph nodes.</li></ul>
		<ul style="list-style-type: none"><li>any number of ipsilateral internal mammary lymph nodes where micrometastases or macrometastases are detected by sentinel lymph node biopsy, and</li><li>4 or more level I or II axillary lymph nodes.</li></ul>
	pN3c	Any number of ipsilateral supraclavicular lymph nodes.

# SIDE-BY-SIDE COMPARISON

## Before

pN3 Metastases in ten or more axillary lymph nodes; or in infraclavicular (level III axillary) lymph nodes; or in clinically detected\*\*\*\* ipsilateral internal mammary lymph nodes in the presence of one or more positive level I, II axillary lymph nodes; or in more than three axillary lymph nodes and in internal mammary lymph nodes with micrometastases or macrometastases detected by sentinel lymph node biopsy but not clinically detected\*\*\*; or in ipsilateral supraclavicular lymph nodes

pN3a Metastases in ten or more axillary lymph nodes (at least one tumor deposit greater than 2.0 mm); or metastases to the infraclavicular (level III axillary lymph) nodes

pN3b Metastases in clinically detected\*\*\*\* ipsilateral internal mammary lymph nodes in the presence of one or more positive axillary lymph nodes; or in more than three axillary lymph nodes and in internal mammary lymph nodes with micrometastases or macrometastases detected by sentinel lymph node biopsy but not clinically detected\*\*\*

pN3c Metastases in ipsilateral supraclavicular lymph nodes

Notes:

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\*\*\*\* "Clinically detected" is defined as detected by imaging studies (excluding lymphoscintigraphy) or by clinical examination and having characteristics highly suspicious for malignancy or a presumed pathologic macrometastasis based on fine needle aspiration biopsy with cytologic examination.

## After

### Metastases

Pathological  
node level 3  
definitions

The following table is used by clinicians to classify metastases found in regional lymph nodes.

Node level...	Which includes...	Describes metastases found in...
pN3	pN3a	10 or more axillary lymph nodes where at least one deposit is greater than 2.0 mm. any number of infraclavicular (level III axillary) lymph nodes.
	pN3b	<ul style="list-style-type: none"><li>any number of ipsilateral internal mammary lymph nodes detected by<ul style="list-style-type: none"><li>clinical exam</li><li>fine needle aspiration biopsy, or</li><li>imaging study, and</li></ul></li><li>any number of level I or II axillary lymph nodes.</li><li>any number of ipsilateral internal mammary lymph nodes where micrometastases or macrometastases are detected by sentinel lymph node biopsy, and</li><li>4 or more level I or II axillary lymph nodes.</li></ul>
	pN3c	Any number of ipsilateral supraclavicular lymph nodes.

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