Malignant Meninges, Brain, Spinal Cord, Cranial Nerves, Pituitary Gland, Craniopharyngeal duct and Pineal Gland Multiple Primary Rules - Flowchart

C700, C701, C709, C710-C719, C720-C725, C728, C729, C751-C753

(Excludes lymphoma and leukemia M9590-9989 and Kaposi sarcoma M9140)

Note: Benign and borderline intracranial and CNS tumors have a separate set of rules.

* Prepare one abstract. Use the histology coding rules to assign the appropriate histology code.

** Prepare two or more abstracts. Use the histology coding rules to assign the appropriate histology code to each case abstracted.

### UNKNOWN IF SINGLE OR MULTIPLE TUMORS

<table>
<thead>
<tr>
<th>M1</th>
<th>Is there an invasive tumor (/3) and either a benign (/0) or an uncertain/borderline tumor (/1)?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>YES</strong></td>
</tr>
<tr>
<td></td>
<td>MULTIPLE Primary*</td>
</tr>
<tr>
<td></td>
<td>Use this rule only after all information sources have been exhausted.</td>
</tr>
<tr>
<td></td>
<td><strong>NO</strong></td>
</tr>
<tr>
<td></td>
<td><strong>NO</strong></td>
</tr>
<tr>
<td></td>
<td><strong>GO TO SINGLE TUMOR OR MULTIPLE TUMORS</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>M2</th>
<th>Is it impossible to determine if there is a single tumor or multiple tumors?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>YES</strong></td>
</tr>
<tr>
<td></td>
<td>SINGLE Primary*</td>
</tr>
<tr>
<td></td>
<td>End of instructions for Unknown if Single or Multiple Tumors</td>
</tr>
<tr>
<td></td>
<td><strong>NO</strong></td>
</tr>
<tr>
<td></td>
<td><strong>GO TO SINGLE TUMOR OR MULTIPLE TUMORS</strong></td>
</tr>
</tbody>
</table>

### SINGLE TUMOR

<table>
<thead>
<tr>
<th>M3</th>
<th>Is there a single tumor?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>YES</strong></td>
</tr>
<tr>
<td></td>
<td>SINGLE Primary*</td>
</tr>
<tr>
<td></td>
<td>End of instructions for Single Tumor.</td>
</tr>
<tr>
<td></td>
<td><strong>NO</strong></td>
</tr>
<tr>
<td></td>
<td><strong>GO TO MULTIPLE TUMORS.</strong></td>
</tr>
</tbody>
</table>

### DECISION

- **Tumor(s) not described as metastasis.**
- **The tumor may overlap onto or extend into adjacent/contiguous site or subsite.**
Multiple tumors may be a single primary or multiple primaries.

**M4**
Is there an invasive tumor (3) and either a benign (0) or an uncertain/borderline tumor (1)?
- **YES**
  - MULTIPLE Primaries**
- **NO**

**M5**
Are there tumors in sites with ICD-O-3 topography codes that are **different** at the second (Cxxx) and/or third character (Cxx)?
- **YES**
  - MULTIPLE Primaries**
- **NO**

**M6**
Is there a glioblastoma or glioblastoma multiforme (9440) following a glial tumor (See Chart 1)?
- **YES**
  - SINGLE Primary*
- **NO**

Tumors not described as metastases.
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** Flowchart Key

- Flow Direction
- Question
- Decision
- Notes

** MULTIPLE TUMORS, continued

** DECISION

** NOTES

** Tumors not described as metastases.

** Recurrence, progression, or any reappearance of histologies on the same branch in Chart 1 or Chart 2 is always the same disease process.

** Example: Patient has an astrocytoma. Ten years later the patient is diagnosed with glioblastoma multiforme. This is a progression or recurrence of the earlier astrocytoma.

** Flowchart

M7

- Do the tumors have ICD-O-3 histology on the same branch in Chart 1 or Chart 2?

  ** YES

  ** SINGLE Primary*

  ** NO

M8

- Do the tumors have ICD-O-3 histology codes on different branches in Chart 1 or Chart 2?

  ** YES

  ** MULTIPLE Primaries**

  ** NO

** Next Page

** Brain and CNS MP
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M9

Do the tumors have ICD-O-3 histology codes that are different at the first (xxxx), second (xxxx), or third (xxxx) number?

YES

MULTIPLE Primaries**

NO

M10

Does not meet any of the above criteria (M1 through M9).

YES

SINGLE Primary*

NO

End of instructions for Multiple Tumors.

ERROR: Recheck rules. Stop when a match is found.

1. Neither timing nor laterality is used to determine multiple primaries for malignant intracranial and CNS tumors.
   
   Example: The patient is treated for an anaplastic astrocytoma (9401) in the right parietal lobe. Three months later the patient is diagnosed with a separate anaplastic astrocytoma in the left parietal lobe. This is one primary because laterality is not used to determine multiple primary status.

2. Multicentric brain tumors which involve different lobes of the brain that do not meet any of the above criteria are the same disease process.