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**Table 1. Eligibility Criteria**

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**Inclusion Criteria**

Age  $\geq 18$  years  
Underwent surgical treatment for BMs  
Pathology confirms non-small cell lung cancer

**Exclusion Criteria**

Insufficient or lacking crucial clinical data  
Inconsistent lung and brain pathology  
Severe comorbidities, such as severe heart disease, liver or kidney dysfunction  
Severe postoperative complications, such as severe intracranial infection or bleeding

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**Surgical resection indication[6]**

Maximal lesion size  $\geq 3$ cm  
Lesion with edema and mass effect  
High performance score  
Limited number (1-3)  
Controlled primary disease  
Radioresistant tumors

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