

## MESO - Mesothelioma

Subtype	Biology & Expression	Genomic Alterations	Clinical Features
Epithelioid-like (C1)	<ul style="list-style-type: none"><li>• High expression of immune-regulatory and inflammatory genes</li><li>• More differentiated phenotype</li></ul>	<ul style="list-style-type: none"><li>• Frequent <b>BAP1</b> mutations/deletions</li><li>• Low tumor mutation burden (TMB)</li><li>• Fewer CNAs</li></ul>	<ul style="list-style-type: none"><li>• Best overall survival (~20 months)</li><li>• Typically epithelioid histology</li><li>• Better response to therapy</li></ul>
Sarcomatoid-like (C2)	<ul style="list-style-type: none"><li>• EMT signature, high mesenchymal marker expression</li><li>• Poorly differentiated, stem-like profile</li></ul>	<ul style="list-style-type: none"><li>• Frequent <b>NF2</b> and <b>CDKN2A</b> alterations</li><li>• Higher CNA burden</li><li>• TMB still relatively low</li></ul>	<ul style="list-style-type: none"><li>• Worst overall survival (~6 months)</li><li>• Sarcomatoid or biphasic histology</li><li>• Poor treatment response</li></ul>
BAP1-deficient (C3)	<ul style="list-style-type: none"><li>• Intermediate phenotype; partial EMT</li><li>• Enriched chromatin remodeling and DNA repair signatures</li></ul>	<ul style="list-style-type: none"><li>• Biallelic <b>BAP1</b> inactivation (mutation + LOH)</li><li>• Moderate chromosomal instability</li></ul>	<ul style="list-style-type: none"><li>• Intermediate survival</li><li>• May respond to EZH2 or PARP inhibitors</li></ul>