



Cell cycle control DNA repair Apoptosis Diagnosis and classification Selection of therapy  
Prognosis Staging Monitoring disease burden Screening for germline mutations Confirmation of  
neoplasia (e.g. clonality) Point mutations and small insertions and deletions: NGS, PCR Fusions:  
FISH, NGS, PCR Amplifications: FISH, NGS Tumour mutation burden: NGS Immunohistochemistry  
may be a very useful initial test, and is often sufficient

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