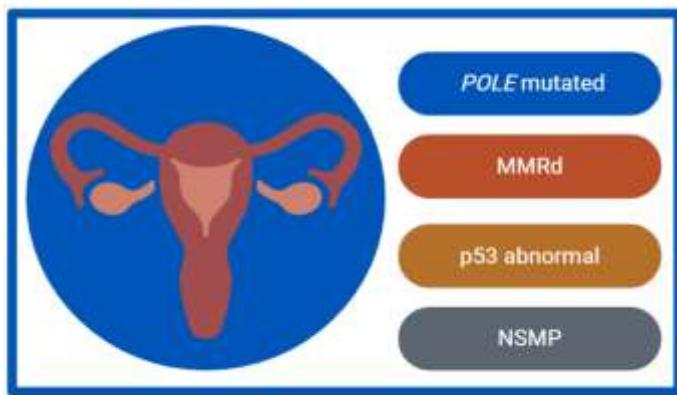


# FAST FACTS: REFINING ENDOMETRIAL CARCINOMA SUBCLASSIFICATION WITH NGS



Dr Nicole Rossum

Endometrial carcinoma (EC) is the 5<sup>th</sup> most common cancer affecting women in South Africa. The subclassification of EC has undergone significant refinement, particularly with the integration of molecular diagnostics into routine clinical practice. The most significant change is the recognition of four non-overlapping molecular categories.



This molecular categorisation allows for a much more accurate prediction of clinical outcomes and tailored therapeutic strategies. Both the European Society for Medical Oncology (ESMO) and the European Society of Gynaecological Oncology (ESGO) now recommend molecular classification as standard practice in the management of EC.

## NEXT GENERATION SEQUENCING (NGS) BASED PROFILING OF ENDOMETRIAL CARCINOMA

- Ampath is now offering an Endometrial Carcinoma-specific NGS panel for the molecular subclassification of ECs consisting of the *POLE*, *TP53* and *CTNNB1* genes.
- While mutated *CTNNB1* does not currently define a distinct molecular sub-category, it has been shown to predict a significantly increased rate of disease recurrence and lower overall survival.

## ENDOMETRIAL CARCINOMA NGS PANEL

Test mnemonic	ECNGS
Clinical indication	All endometrial carcinomas (regardless of histological subtype)
Genes tested	<i>POLE</i> , <i>TP53</i> and <i>CTNNB1</i> *MMRd is tested for using immunohistochemical staining
Specimen type	Formalin Fixed Paraffin Embedded Tissue (FFPE) 6-8 normal slides (not charged) with 10 micron thick unstained recuts
Turnaround time	7-10 working days

For more information contact: [ngs@ampath.co.za](mailto:ngs@ampath.co.za)