Evaluation of Tumor Infiltrating Lymphocytes (TILs) in High-grade Serous Ovarian Carcinoma

Guidelines for TILs assessment from the “International Immuno-Oncology Biomarker Working Group”

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Define area for TILs evaluation

- TILs within the borders of the invasive tumors are evaluated
- The invasive edge is included in the evaluation, but not reported separately
- Immune infiltrates outside of the tumor borders are not included
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- The invasive edge is included in the evaluation
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Include TILs evaluation in stroma pertaining to fibro-vascular cores of papillary structures

Include TILs in this area = stromal TILs
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In case of ovarian or peritoneal superficial tumor localizations, evaluate TILs in connective tissue just beneath the epithelial layer within 1mm.
Areas of necrosis or fibrosis are not included in the evaluation.
Determine the localization of inflammatory infiltrate

Intra-tumoral TILs (iTILs)

Stromal TILs (sTILs)
Determine type of inflammatory infiltrate

Include only mononuclear infiltrate (lymphocytes & plasma cells)

Do not include granulocytic infiltrate in areas of tumor necrosis