**Supplemental Tables**

**Supplemental Table 1.** HPV diagnostic tests used for tissue and FNA testing

**Supplemental Table 2.** Amplicon sequences

**Supplemental Table 3.** Separate file

**Supplemental Table 4.** Cross-sectional Imaging features.

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**Supplemental Table 5.** HPV ddPCR assays do not cross-react

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**Supplemental Table 6.** ddPCR limit of detection assays using concentration - events

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