

NavDx® Case Study:

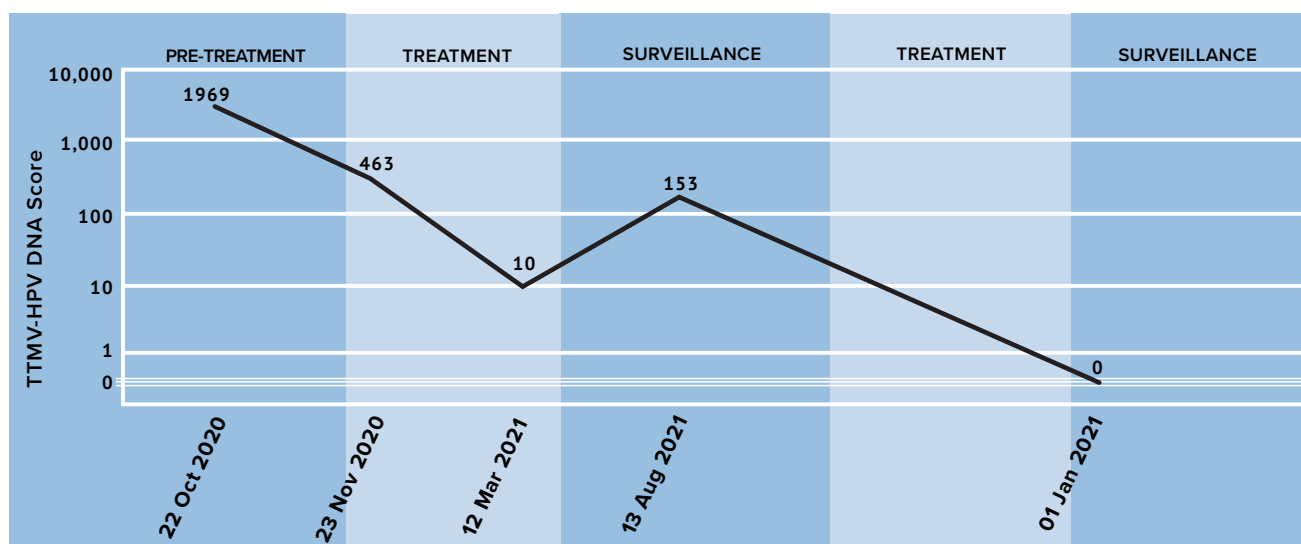
Tumor tissue modified viral (TTMV®)-HPV DNA detects recurrence early during surveillance



Patient History

A 61 year-old man with no history of tobacco use presented with an abnormality in the right tonsil and a 2 cm mass in the right neck

- ◆ T2 N1 M0 p16+ squamous cell carcinoma of the tonsil was discovered with ipsilateral neck metastasis and extranodal extension.
- ◆ Pretreatment TTMV Score was 1,969
- ◆ Transoral robotic oropharyngectomy and ipsilateral modified neck dissection were performed with negative surgical margins at the primary site
- ◆ The right neck dissection specimen revealed two of 32 lymph nodes positive for metastatic tumor (2/32), with extracapsular extension by tumor noted
- ◆ Post-surgery TTMV Score decreased to 463, then the patient began adjuvant chemoradiation
- ◆ Two months after completion of adjuvant chemoradiation, PET-CT showed no evidence of disease, while NavDx testing demonstrated that TTMV Score declined to 10



Optimizing Clinical Care

- ◆ In routine follow-up, a TTMV Score of 153 was detected, leading to a PET-CT scan, which detected a contralateral neck metastasis
- ◆ The patient underwent a left selective neck dissection which revealed twenty one lymph nodes, one positive for metastatic carcinoma (1/21) with extracapsular extension identified
- ◆ Post-treatment, TTMV Score decreased to 0

Summary:

Initial testing established a baseline reference to which subsequent treatment response was compared. Detection of a rising TTMV Score during a routine follow-up visit triggered a PET-CT scan, which confirmed disease recurrence. Early detection of this recurrence allowed the patient to undergo a less extensive surgical procedure than would have been required had the recurrence been detected at a later stage.





About NavDx

NavDx® is the first and only clinically validated circulating tumor tissue modified viral (TTMV®)-HPV DNA blood test that aids in the detection of HPV-driven cancer.¹ Monitoring TTMV-HPV DNA Scores with NavDx at routine surveillance visits has demonstrated unrivaled test performance metrics, assuring earlier detection of patients with residual/recurrent disease.²⁻⁴

- ◆ Distinguish TTMV-HPV DNA from non-cancerous sources of HPV DNA⁵
- ◆ **≥97% Specificity** and **≥89% Sensitivity** to more accurately detect true disease status^{2,3}
- ◆ **≥98% NPV** with no recurrence when TTMV-HPV DNA remained undetectable^{2,3}
- ◆ **≥95% PPV** for cancer recurrence, when patients had 1 positive test result^{2,3}
- ◆ **Accurately detect recurrence a median of 4 months earlier** than it would present clinically via PET or CT scan to facilitate earlier initiation of salvage therapy¹

Testing with NavDx

Clinical practice guidelines and CMS coverage policy for recurrence detection include surveillance at specified intervals:

During Surveillance

- ◆ **≥3 months - 2 years post treatment:** every 3 months
- ◆ **3-5 years post treatment:** every 6 months
- ◆ **6+ years post treatment:** 1 time per year

Pretreatment

- ◆ Test with NavDx at least 7 days after any biopsy procedure, and prior to initiating treatment

During Treatment

- ◆ During treatment, consider testing with NavDx to assess early response to treatment

Questions?

The Naveris Client Services team is available to help you via email at:

contact@naveris.com or phone at (833) 628-3747.