NavDx® Case Study:

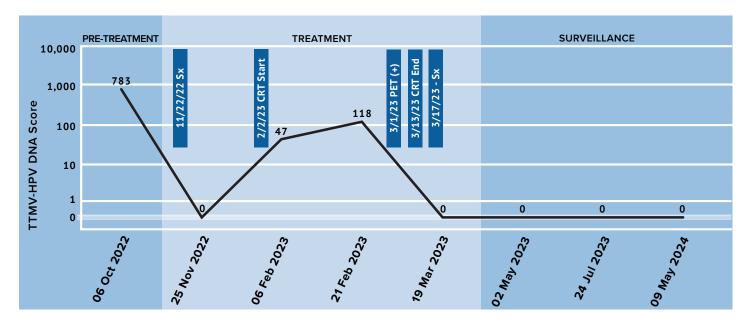
NavDx confirms presence of persistent disease enabling earlier intervention



Patient History

A 72-year-old male, former smoker, presented with what was determined to be a right level 2 neck mass. The patient reported he first noticed the mass in Feb 2022.

- ◆ Initial FNA right neck LN level 2 = SCC (+), p16 (-) and level 3 = SCC (+), p16 (+), HPV 16 (+)
- ◆ T2 N1 M0 SCC of the right base of tongue (BOT), p16 (+), HPV 16 (+) was identified; pretreatment TTMV® Score was 783
- TORS of BOT cancer and bilateral selective neck dissections performed
 - BOT tumor size 2.2 cm, (-) margins, (+) lymphatic invasion, (-) perineural invasion
 - Right neck LN levels 2, 3, and 4 dissection showed 3/16 LNs positive for metastatic tumor, with extranodal extension identified
 - Left neck LN levels 2, 3, and 4 dissection were negative for tumor (0/8)
- ♦ Post-surgery, TTMV Score decreased to 0; subsequently, the patient began adjuvant CRT



Optimizing Clinical Care

- ♦ Week 1 CRT (~2.5 mos. post-surgery), TTMV Score = 47
- ♦ Week 3 CRT (~3mos. post-surgery), TTMV Score = 118
 - Elevated TTMV Score led to a PET-CT scan which detected an interval increase in size and tracer uptake of 2 adjacent left-sided, level 3 tracer avid cervical LN
 - Left neck repeat FNA showed SCC (+)
- Left neck LN level 5 dissection revealed metastatic SCC involving 1/16 lymph nodes
- Following lymph node dissection (Mar 17, 2024), TTMV Score = 0; remaining negative with serial testing for 16 months, a/o May 09, 2024

Summary:

Rising TTMV Scores during chemoradiation therapy triggered a non-routine PET-CT scan and FNA, which confirmed persistent disease. With early detection, the team was able to quickly irradiate the remaining disease, reduce risk of spread and the potential for progression. Following surveillance recommendations, periodic monitoring with NavDx was implemented.



Optimizing HPV+ Cancer Surveillance



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.



