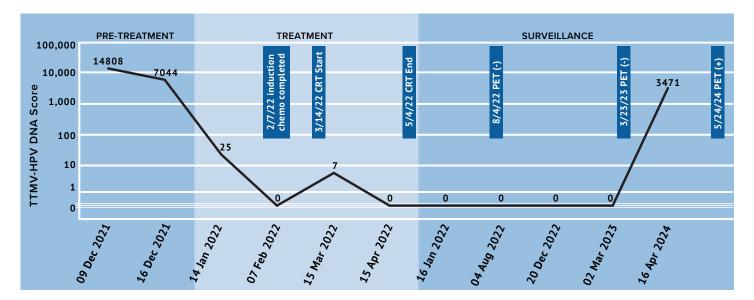
### NavDx® Case Study:

TTMV<sup>®</sup> HPV DNA monitoring detects disease recurrence in asymptomatic patients with no evidence of disease on physical examination and guides the use of imaging

## **Patient History**

A 66-year-old male, non-smoker reported to the ED with a history of tongue swelling and complaints of edentulism, oral bleeding, dysphagia and right-neck swelling over the past six months.

- ◆ Initial right neck FNA performed outside Mt Sinai facilities: LN level 3 = SCC (+), p16 (+) and LN level 2 = SCC (+), p16 (+)
- Consultation with Mt. Sinai ENT (Dec 2021): NavDx followed by right neck FNA, LN level 2 = SCC (+), p16 (+), HPV 16 (+)
- Determined clinical stage IV T4 N2 M0 SCC of the base of tongue (BOT)
- Pretreatment TTMV Score was 14,808
- Following neoadjuvant induction chemotherapy x 3 cycles, the TTMV Score decreased to 0 at which time CRT was initiated
- ◆ Transient elevated TTMV Score (7) during CRT returned to 0; CRT ended May 2022
- ♦ Post CRT, TTMV Scores remained 0 for nearly a year (April 2022 March 2023)



# **Optimizing Clinical Care**

- Patient remained asymptomatic while opting for no follow-up; no additional NavDx tests were performed until April 2024 at which time the TTMV Score was positive (3471)
- The elevated TTMV Score led to a PET-CT scan which revealed multiple hypermetabolic right lung nodules

### **Summary:**

Detection of a positive TTMV Score during surveillance eliminated patient's reluctance for having a PET-CT scan, and recurrent disease was detected. NavDx testing reliably informs disease status and guides appropriate use of imaging, such as diagnostic PET CT.



## 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 DNA<sup>5</sup>
- ◆≥97% Specificity and ≥89% Sensitivity to more accurately detect true disease status<sup>2,3</sup>
- ◆ ≥98% NPV with no recurrence when TTMV-HPV DNA remained undetectable<sup>2,3</sup>
- ◆ ≥95% PPV for cancer recurrence, when patients had 1 positive test result<sup>2,3</sup>
- 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 therapy<sup>1</sup>

## **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.



