VELscope Vx®
Oral Mucosal Screening Device for early detection of cancer

Highlights

- VELscope Vx is the only dental device, among 8 other commercial devices endorsed by the World Health Organisation as an ‘innovative device’ that addresses global concern.

- VELscope Vx devices are now used by more than 13,000 dentists in 23 countries to conduct screenings for oral cancer, pre-cancer and other oral tissue abnormalities.

- VELscope Vx system is US FDA approved. The technology, which has been backed by over $50 million in research funded by the National Institutes of Health (NIH) and other respected organisations has been in place in the medical field for several years.

VELScope Vx

- The main components of the VELscope Vx system are the viewing Handpiece, the Charging Cradle and an external power brick. The system is intended to be used together with a single-use, multi-function, disposable lens cover (VELcap Vx) and a single-use, disposable Handpiece plastic barrier (VELsheath Vx).

- The VELscope Vx Handpiece emits a safe, visible blue light into the oral cavity, which excites the oral tissue and causes it to fluoresce. The oral cavity can then be examined in real time, enhancing the practitioner’s ability to quickly identify suspicious tissue that may require further investigation.

- When viewed through the VELscope Vx Handpiece, abnormal tissue typically appears as an irregular, dark area that stands out against the otherwise normal, green fluorescence pattern of surrounding healthy tissue.

India: Oral Cancer Capital of the World and the role of Early Screening

- 86% of global oral cancer incidence is in India because of tobacco chewing. 40% of all cancers in India is represented by oral cancers, with approximately 75000 to 80000 new cases every year.

- Oral cancer is particularly dangerous because in its early stages it may not be noticed by the patient, as there is no pain or symptoms. Also, a patient who survives a first encounter with the disease has a 20 times higher risk of developing a second cancer, lasting for 5 to 10 years after the first occurrence.

- Therefore, early screening is vital for early detection. Although oral cavity is accessible for visual examination, oral cancers are typically detected in their advanced stages. Especially in India, 60-80% of patients are presented with advanced disease compared to 30% in developed countries.

Proposed Use

- VELscope Vx is intended to be used by a dentist or healthcare provider as an adjunct to traditional oral examination by incandescent light (white light).

- VELscope Vx is further intended to be used by a surgeon to help identify diseased tissue around a clinically apparent lesion, and thus aid in determining the appropriate margin for surgical inclusion.

- A Tata Memorial Hospital (Mumbai) study in 2010 concludes that “this simple, objective low cost system has potential to improve screening efforts, especially in low resource settings”. Thus, oral screening, tobacco prevention and NCD programmes efforts by State governments can also benefit greatly from the VELScope Vx.
Meet the Light That’s Making Headlines

VELscope Vx!
- Cordless
- Compact
- Affordable – even for multiple operators!
- Newest model release from LED Dental

The Right Light at the Right Price
- Provides the most powerful aid available for the discovery of oral abnormalities, including oral cancer
- Used regularly, allows practices to aspire to an advanced level of patient care
- Positions dental practices as pro-active and sophisticated

Set a Shining Example!
- Completely safe and painless
- Simple to use
- No unpleasant rinses or stains
- Entire exam in about two minutes

The VELscope can even play a role in saving lives.