

May 17, 2018

Launch of the ENF-VT3, the World's First¹ Rhino-Laryngo Videoscope to incorporate 4-direction angulation capability

Olympus Corporation (President: Hiroyuki Sasa) today announced the launch of the ENF-VT3, the world's first¹ rhino-laryngo videoscope to incorporate 4-direction angulation capability, initially on European market in the beginning of June, and on Japanese market in the end of May, 2018, followed by the markets in the rest of the world.

Rhino-laryngo videoscopes are usually inserted via the nasal cavity and used to examine the pharynx and larynx. They can also be used together with endotherapy devices to perform procedures such as the extraction of foreign bodies, resection of vocal cord polyps, or injection into the vocal cords.

The new ENF-VT3 is the first rhino-laryngo videoscope in the world¹ enabling physicians to manipulating in four directions (up, down, left, and right) to facilitate access to the lesion of interest. The high image quality of close focus observation and NBI² was made possible by the use of a high-performance CCD, which support the detailed examination and diagnosis of lesions in mucous membranes. Meanwhile, compatibility with 20 types of endotherapy device means the videoscope has the flexibility to utilize techniques that suit a wide variety of different cases.

This product will be exhibited at the 12th Congress of the European Laryngological Society from May 16-20 in London, UK.

1: As of May 17, 2018, based on research by Olympus Corporation.

2: Narrow band imaging (NBI) is an imaging technique for examining features such as the small blood vessels in mucosa and the surface patterns. NBI highlights tissue by illuminating it with two narrow bands (wavelengths) of light that are absorbed by the hemoglobin in blood.

●Launch Overview (Europe and Japan)³

Name	Launch Date
OLYMPUS ENF-VT3 Rhino-Laryngo Videoscope	Beginning of June, 2018(Europe) End of May, 2018(Japan)

3: Products will be commercially available upon product registration in each country's jurisdiction.

●Main Features

1. World's first¹ ability to be manipulated in four directions facilitates access to the site of interest
2. High-performance CCD provides both close focus observation and NBI² with high image quality
3. Compatibility with 20 types of endotherapy device gives the videoscope the flexibility to support a wide variety of different techniques



[Reference]

●Development background

Amid calls of improving the quality of life of patients, the field of otorhinolaryngology is experiencing growth in the use of outpatient procedures and therapeutic techniques, driven by rising demand for increasing the number of techniques that can be used in such circumstances. This has led to an ongoing rise in the need for rhino-laryngo videoscopes that can be used not only for examination but also for performing therapeutic procedures at the same time. Olympus launched the ENF-VT2 in 2007, its conventional model used together with endotherapy devices to undertake therapeutic procedures. The new ENF-VT3 features improved ease-of-use and imaging performance while still retaining the same external diameter as its predecessor ENF-VT2, supporting the sequence of steps from the examination of lesions through to their assessment and treatment.

●Details of Main Features

1. World's first¹ ability to be manipulated in four directions facilitates access to the site of interest

The ENF-VT3 features the world's first¹ ability to be manipulated in four directions (up, down, left, and right) while still retaining the same 4.8mm external diameter as the conventional model, the ENF-VT2. Whereas users of the ENF-VT2 have needed to manipulate the videoscope by twisting their hand depending on where they wanted to observe, the ENF-VT3 has the ability to make fine adjustments to the scope tip while operating it one-handed, a feature that is easy to operate. This facilitates access to the site of interest.

2. High-performance CCD provides both close focus observation and NBI² with high image quality

The use of a CCD with a higher resolution than the conventional model improves the ability to resolve images, enables close-up imaging from just 2.0mm, and delivers more precise images using either White light or NBI². This supports precise diagnosis by providing a more detailed view of capillary blood vessels in the surface layers of mucous membranes.

3. Compatibility with 20 types of endotherapy device gives the videoscope the flexibility to support a wide variety of different techniques

Being compatible with 20 types of endotherapy devices, the ENF-VT3 has the flexibility to be used for a wide variety of different cases. An extensive range of such devices are available, including biopsy forceps for collecting the tissue samples needed for definitive diagnosis, or the snares used for polyp resection.

The product is manufactured by Olympus Medical Systems Corp.

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