

May 14, 2018

**Launch of Two Models of Rhino-Laryngo
Videoscope That Offer Ergonomic New Control Section and Weight Reduction**

Olympus Corporation (President: Hiroyuki Sasa) today announced the launch of two models of rhino-laryngo videoscope on Europe market in the beginning of June and on Japan market in the end of May, 2018, followed by the markets in the rest of the world. Two models achieved an ergonomic new control section and weight reduction.

In general, Rhino-Laryngo videoscopes are mainly inserted through the nasal cavity and are used in order to observe and treat the pharynx and larynx. The two models, ENF-VH2 and ENF-V4, are designed exclusively for observation; the ENF-VH2 produces high-resolution images that are HD-compatible, and the ENF-V4 offers a slim design with a diameter tip of 2.6 mm.

By introducing ergonomic new control section, these models contribute to improvements in usability and insertion capability during endoscopic examinations. Also, the control section weighs less by approximately 30% than conventional models¹, helping physicians to feel less stressful during examinations and maximize performance. Furthermore, the use of Narrow Band Imaging (NBI²), a proprietary technology from Olympus, supports the early discovery of throat cancer and related conditions. These models feature ergonomically improved control section with reduced weight while providing the outstanding NBI² technology of conventional models, in the pursuit of even greater ease of use for physicians.

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

1 Models ENF-VH and ENF-V3

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-VH2 Rhino-Laryngo Videoscope OLYMPUS ENF-V4 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. **The ergonomic new control section and the achievement of usability and insertion improvements during endoscopic examinations**
2. **Control section that is lighter than conventional products¹ by approximately 30%, contributing to physician's greater ease of use.**
3. **Support for early discovery of throat cancer and related conditions through NBI², a proprietary Olympus technology**



ENF-VH2 Rhino-Laryngo Videoscope



ENF-V4 Rhino-Laryngo Videoscope

Development Background

In otorhinolaryngology, different endoscopes are used for different patients depending of patient's needs. In general, HD (high definition) endoscopes that produce high-resolution images are used for examinations for throat cancer and related conditions, while more slender endoscopes are desirable for patients with narrower nasal cavities. There has been demand for further usability improvements in addition to the basic functionality of conventional models. Olympus has successfully introduced new control section in support of endoscopic manipulation as well as further weight reductions.

● **Details of Main Features**

1. **The ergonomic new control section and the achievement of usability and insertion improvements during endoscopic examinations**

We have successfully developed ergonomic new control section so that the tip of the device, while held by a physician, turns more linearly to the orientation of the patient. Additionally, we have made single-handed operation possible by improving the positions of the scope switches. These features contribute to improving the usability and insertion capabilities of these endoscopes.



Single-handed operation enabled



Ergonomic new control section

[Reference]

2. Control section that is lighter than conventional products¹ by approximately 30%, contributing to physician's greater ease of use.

We have introduced control section that is about 30% lighter than that of previous products¹ through methods that include changes to the shape of the components. This provides support for less stressful endoscopic examinations.

3. Support for early discovery of throat cancer and related conditions through NBI², a proprietary Olympus technology

These products, like our previous models, have built-in NBI², a proprietary Olympus technology. This technology offers more precise observations of mucosal surface blood vessels and tissues, and it provides support for the early discovery of throat cancer and related conditions.

The products are manufactured by Olympus Medical Systems Corp.

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