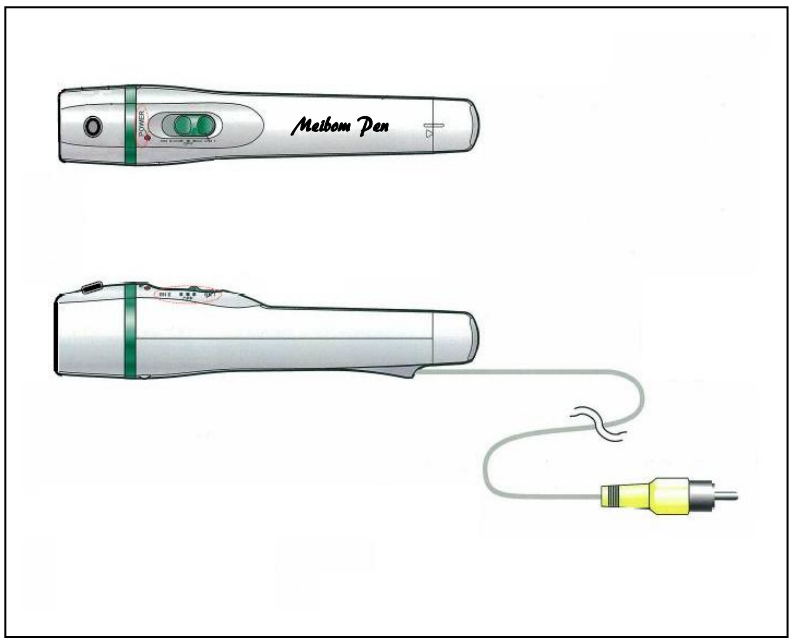
First in the world! **Mobile Pencil for Meibography**

Meibom Pen®

In collaboration with ***Dr. ARITA***

〔JAPAN FOCUS CO.,LTD.〕

application for utility model registration



■**Non contact observation**

Incorporating a CMOS camera and custom-built infra-red LED, **Meibom Pen** can provide the user with no contact and no invasive observation of meibomian glands.

■**Compact, light and mobile design**

Meibom Pen, being as light as 120 gram complete with 2 batteries and as sleek as penlight size, attracts the user to carry everywhere - operating room, clean room and home; it also suites the user's purpose, either in sitting or lying position.

It is especially useful for the user to examine critical patients, elderly patients in a wheelchair and babies under 3.

■**User-friendly**

Very simple and easy to use; the user can connect **Meibom Pen** with any TV monitor at examination room and inpatients' ward.

By using the video-capture kit, the user can also connect it to its own PC via USB port, observe and record either dynamic or static images.

■**Power requirement**

Meibom Pen can work for 6.5 hours continuously with 2 pieces of AA batteries - single, nickel, hydrogen and dry.

(It takes the user about a minute on average to observe meibomian glands of both superior and inferior of two eyes.)

Specifications

☐Main body : 29mmX176mmX34mm
☐Size of image : φ12 or more
☐Valid pixel : About 250,000 pixels
☐Signal system : 2:1 Interlace NTSC
☐Image output : 3.5φ composit
☐LED Light :
Visible light, Fluorescein blue, Infrared rays light

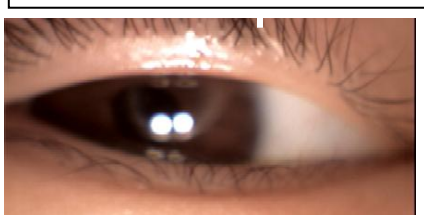
Optional Kit :

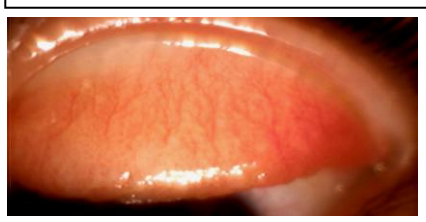
- USB connection video capture for PC
- USB connection foot switch for PC (include control software)

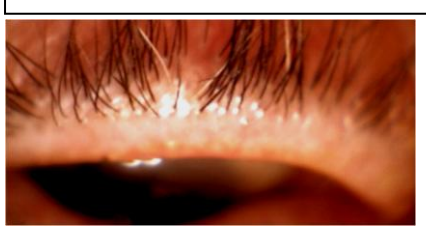
Case 1: In a 6 year old girl, meibomian glands run straight vertically.

Case 2: A 28 year old male is diagnosed allergic conjunctivitis complication associated with his long term contact lens (CL) wear.

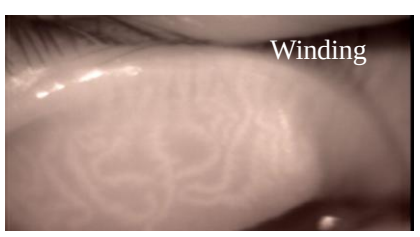
Case 3: A 85 year old male presents meibomian gland dysfunction (MGD).

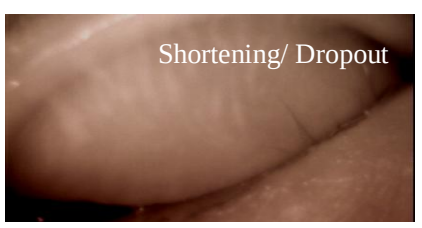




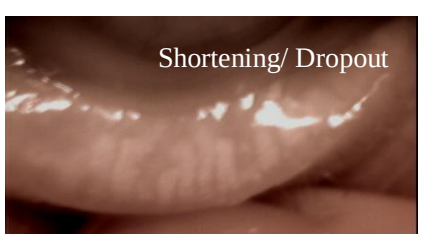


Upper eyelid





Lower eyelid



Ver. E1.1

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