

Pentax AWS



The PENTAX-AWS in combination with the PBLADE, is a Video Rigid Laryngoscope system used to examine and visualize a patient's upper airway.

It supports the placement of an endotracheal tube and projects images during tracheal intubation on the monitor screen attached to this instrument, to support smooth and accurate operation.

PBlade



The Pentax Pblade is a specialized laryngoscope blade for smooth intubation.

It is disposable and sterile, eliminating concerns about infection.

It has an anatomically curved shape, for ease of insertion.

No stylet is needed to aid intubation.

It is compatible with endotracheal tubes with inner diameters of 6.5 to 8 mm.

Monitor verification



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The Pentax AWS features a scope with a tip-mounted imaging “charge coupled device” (CCD), which displays the conditions in the oral cavity and the intubation status during tracheal intubation on a 2.4-inch color monitor.

With this device, there is no need to extend the patient's neck or apply excessive force. By placing the airway scope under the epiglottis and raising it lightly, it is possible to insert an endotracheal tube into the trachea.

Built-in monitor



The built-in monitor screen has a wide viewing angle and is readily visible from behind and from the side of the airway scope, allowing staff other than the operator to verify the tracheal intubation status.

In addition, the airway scope's video output allows a group of people to view the images on an external medical monitor. The AWS video monitor allows simple yet accurate verification during tracheal intubation procedures, showing the best video quality.

Target symbol for easy and precise intubation



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The target symbol displayed on the monitor screen facilitates safer intubation even for less experienced operators.

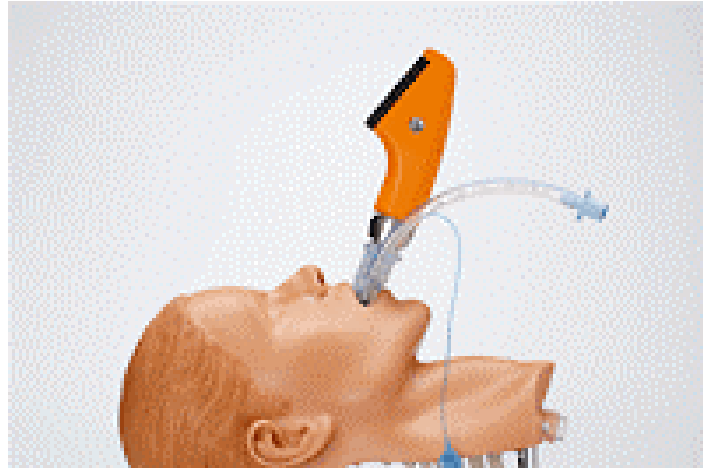
Intubation can be completed easily and precisely by aligning the sighting device shown on the monitor with the intubating position and gently pushing the endotracheal tube along the Pblade.

Operation from various positions



The angle of the built-in monitor screen can be adjusted (from 0° to 120°) for easier viewing. This makes it possible to perform tracheal intubation while comfortably viewing inside the patient's mouth cavity from various patient positions: cranial, lateral or caudal.

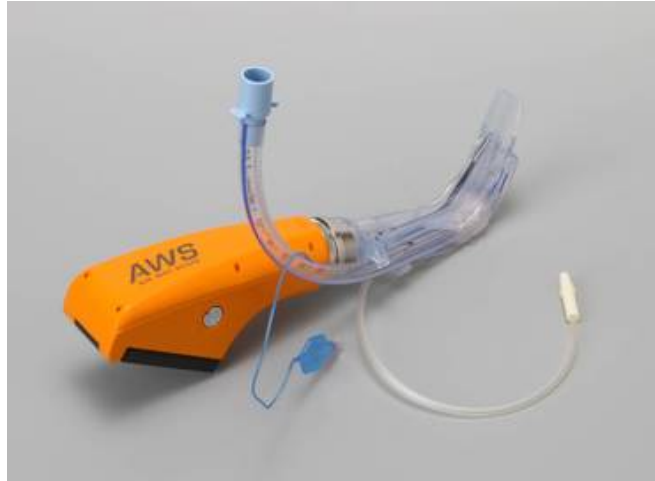
No need to extend the patient's neck



With the Pblade, the smart design and the monitor imaging of the Pentax AWS allow safe endotracheal intubation even for patients with cervical spine injury.

There is no need to extend the patient's neck or apply excessive force, because the Pblade has an anatomically curved shape that conforms to the airway. The patient's head does not need to take the sniffing position before intubation.

Guiding groove for endotracheal tubes



The Pblade has a guiding groove for endotracheal tubes.
No stylet is needed to guide the ET tubes.
Intubation is safe and more reliable.

Aspiration in the oral cavity



Channel for a suction catheter

The Pblade incorporates a channel for a suction catheter, permitting aspiration treatment inside the oral cavity if required. A catheter can be used for suction of saliva and blood, if needed (maximum size: 12 French).

Battery operated



The Airway Scope is powered by two AA alkaline batteries for ease of handling in any location.

The airway scope can be used continuously for about 1 hour with fresh batteries.

It has a low-battery alert feature that displays a warning on the monitor screen when the batteries are running low.

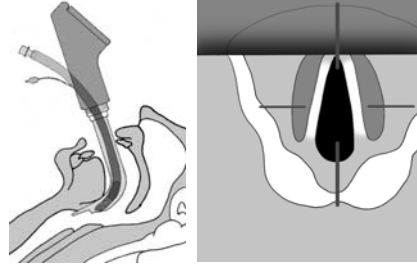
Water resistant



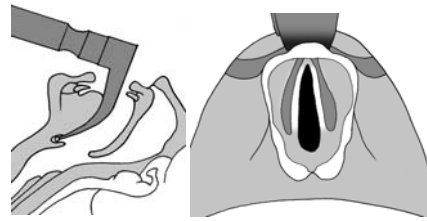
The Airway Scope can be used outdoors in rainy and wet conditions, because it is water-resistant.

Operation Technique

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Pblade on epiglottis



Macintosh blade on vallecula

The Pblade of the Pentax AWS must be placed softly under the epiglottis, similar to the traditional Miller blade technique.

Notice that this is different to the traditional Macintosh blade technique, where the tip of the blade must be placed on the vallecula. The view on each scope is also slightly different.

Pentax AWS Features	Benefits
Anatomical curved blade design	<ul style="list-style-type: none"> ▪ Allows quick, easy and safe intubation ▪ Allows intubation without extending the patient's neck
Articulating monitor with wide viewing angle	<ul style="list-style-type: none"> ▪ The patient can be intubated from any position ▪ Allows clear vision and easy intubation
Target symbol on monitor	<ul style="list-style-type: none"> ▪ Allows for accurate placement of ET tube ▪ Can be operated by less experienced user
Output to ancillary monitor	<ul style="list-style-type: none"> ▪ Other people can observe the intubation ▪ Good for training
Pblade is disposable and sterile	<ul style="list-style-type: none"> ▪ Eliminates the risk of infection
Pblade has guiding groove for ET tube	<ul style="list-style-type: none"> ▪ No stylet needed ▪ Intubation is safe and more reliable
Channel for suction catheter on Pblade	<ul style="list-style-type: none"> ▪ Can aspirate if necessary
Battery operated	<ul style="list-style-type: none"> ▪ Allows use for one hour ▪ Portable ▪ Can be used outdoors
Waterproof	<ul style="list-style-type: none"> ▪ Can be used outdoors ▪ Can be disinfected with alcohol