

Accessories Supplied:

- 1 x AR 204 Box of Blood Concentrate
- 4 x S201 /13 10 ml Syringe
- 1 x S201/14 50 ml Syringe
- 1 x PP3 9V Battery

Additional Equipment required:

- Bright light and magnification - best provided by an ENT binocular operating microscope
- Flexible endoscope or a rigid 2.7mm sinus endoscope
- Nasal speculum
- Tilley's nasal dressing forceps
- One inch BIPP ribbon gauze
- Zoellner ear suction tube

INSTRUCTION MANUAL FOR THE ADAM,ROUILLY NOSE BLEED TRAINER

AR305
Nose Bleed Trainer



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Adam,Rouilly

Cautery and Packing for Severe Nose Bleeds

The model comprises a hard plastic head with a soft nasal area.

USE OF THE NOSE BLEED TRAINER

This interactive model provides a practical test of skill for all those who are required to manage severe epistaxis by packing or cautery without practising on patients and is recommended for Casualty and ENT departments.

TECHNICAL DESCRIPTION

Developed by Adam, Rouilly in collaboration with the ENT department of Addenbrooke's Hospital in Cambridge, this interactive simulator is suitable for training Practitioners in the correct procedures for dealing with severe epistaxis.

FUNCTIONS

The interior of the nose has capillary tubes for delivering artificial blood at variable rates to four sites on the septum typical of severe epistaxis in patients.

THE TRAINEE

The trainee must identify the bleeding point, clear it by suction and deal with it, either by nasal packing or by cautery.



ASSEMBLY AND INSTRUCTIONS FOR NASAL PACKING

- The model is supplied ready for nasal packing and can be easily taken apart for cleaning.
- Soak a one-inch (2.5cm) ribbon gauze bandage in water **not BIPP**.
- Pack the nasal cavity with pre-soaked bandage. Any excess water will drain from the cavity via the PVC tube at the back of the head.

• VERIFICATION OF PACKING SKILLS

- To verify packing skills, remove plug-in unit from back of the head and separate into two halves.
- Correct packing can be viewed through the transparent window.
- After use, remove transparent cover from inside of box and discard bandaging prior to cleaning.

ASSEMBLY AND INSTRUCTIONS FOR CAUTERY

- Make up artificial blood by diluting concentrate at a ratio of 1 part blood powder to approximately 10 parts distilled water.
- Fill each of the 4 x 10ml syringes supplied, with the blood and attach to the supply tubes numbered 1-4.
- Attach the empty 50ml syringe supplied to the PVC collection tube.
- Connect head to control box using the male and female connectors.
- Plug the imitation cautery instrument plug into the control box
- Head is now ready for cautery.
- Switch on control box
- Injecting the specified area of the septum through one of the supply tubes simulates bleeding.
- The lights on the control box will indicate which site is being cauterised.

VERIFICATION OF CAUTERY SKILLS

- Accuracy of hot wire cautery is verified by one of four indicator lights on separate control box
- The indicator light will illuminate when the trainee places the tip of the simulated hot wire cautery on the instructor's chosen site of bleeding.

CLEANING

- The head should be cleaned after use using a soap solution and then dried.

PLEASE TREAT THE NOSE BLEED TRAINER WITH THE SAME CARE THAT YOU WOULD A PATIENT