

Instructions for Use

Item #330

WMD STAT by Simulaids

Warning Contains Latex!



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INTENDED USE: The STAT WMD Simulator is intended to be used in training drills associated with treating survivable patients who have been exposed to simulated biological or chemical weapons of mass destruction. Basic skills of airway management, IV therapy, chest compressions, patient handling, and decontamination by flushing with water can be administered to this manikin. There are no electrical parts. The manikin weighs 140 lbs. and students should be instructed in procedures necessary to protect their health during the movement of this manikin, such as lifting techniques. Simulaids assumes no liability for physical injury to students who use this manikin in training.

This manikin must be cleaned daily using CDC protocols to eliminate biologicals induced during flushing exercises. Any moisture left within the environs of the manikin will encourage biological growth. Therefore the manikin must be decontaminated and dried, both interiorly and exteriorly, before storage. It is recommended that the inside of the torso be exposed and wiped down with a dry cloth to ensure elimination of moisture that may have collected during flushing procedures. The extremities are subject to air drying and exterior wipe down only.

The weight of the manikin is not variable. The weight will not shift and cannot be easily removed.



The manikin and accessory parts still in the box.



INTUBATION HEAD

Proper procedures will ensure the long life of this intubation head. Before attempting to intubate, be sure to lubricate the endotracheal tube with KY jelly or vegetable-oil-based spray. This manikin will also accommodate any of the commonly used oral, esophageal, and tracheal airways now in field use.

ASSEMBLY

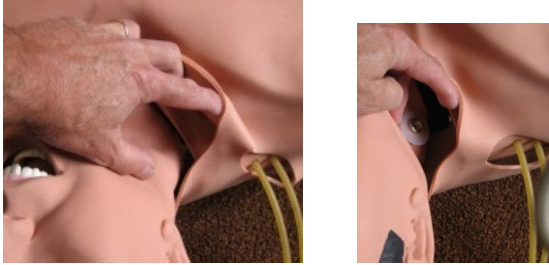
STAT WMD comes to you without major assembly needed. However, the lower legs need to be attached for full body use. The lower legs attach with a simple bolt through the knee joint. Position the right lower leg below the right thigh then insert the bolt through the knee joint. Use the same process for the left leg.



DISASSEMBLY OF HEAD

The head can be removed for access to the tracheal and esophageal connectors, but should only be done for decontamination of biologicals if rescue breathing has inadvertently been applied or flushing fluids enter the oral cavity.

Gently displace both sides of the neck until you can access the snaps that hold the neck on the torso.

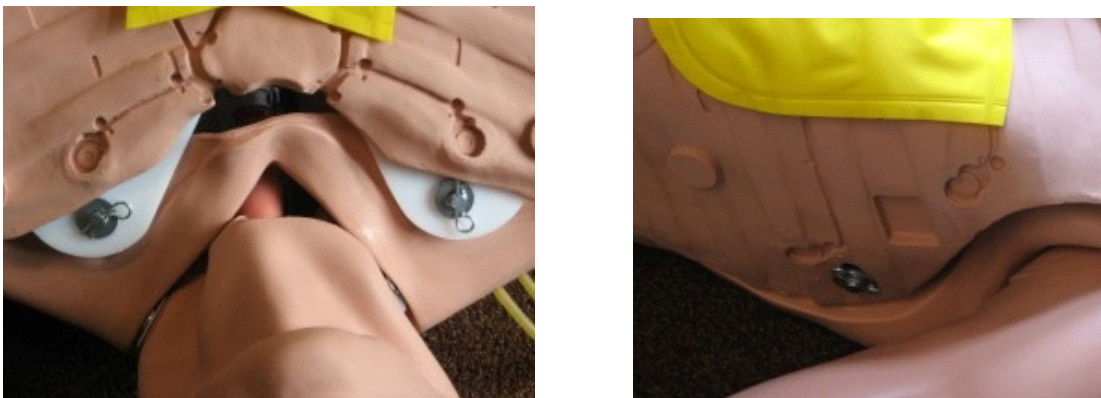


Release the snaps.

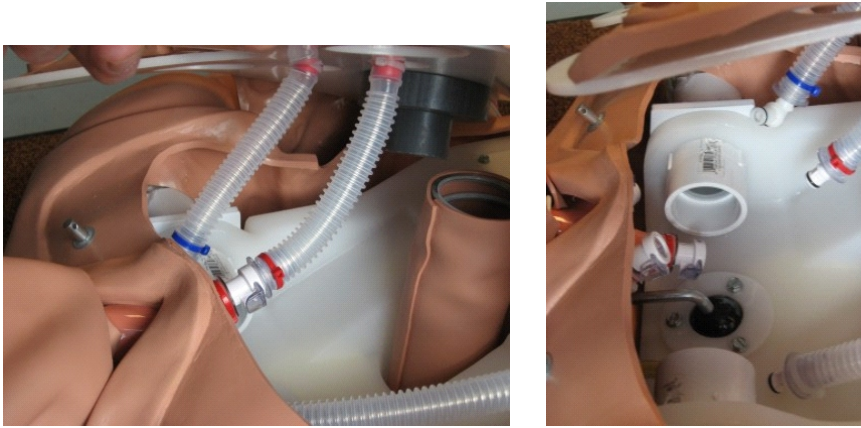
Remove the chest skin and abdominal section (disconnect the stomach bag for convenience).



Release the four clevis pins/washers from the sides and top of the rib cage, then remove the rib cage.



As soon as possible, release the quick-connect adapters of the esophageal and lung tubing.



Access the three screws that hold the head in place on the white PE plastic torso box and remove the screws. The head should be free to be removed.

Reverse these steps to re-install the head after cleaning and drying.

To Clean and Disinfect the head:

Use standard CDC-protocol-liquids for disinfecting applicable in your state. None of these products will damage the manikin's parts. Apply the liquids to the oral pharyngeal and nasopharyngeal airways so that the fluid completely contacts the inner surfaces of the airway passages, including the bronchus and the esophagus. Leave the fluids in contact with the parts as long as the protocols dictate.

Do not rinse these fluids after sufficient exposure time to the parts, but rather swab the inside and outside of the parts to dry them. Then, a light application of hot air from a hand held hair dryer will assist in drying hard to reach spots. Do not overheat the plastic.

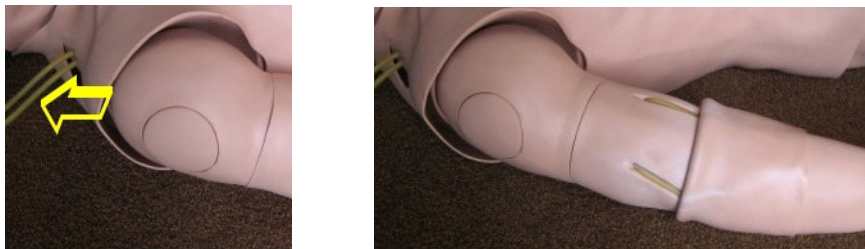
Store the unit in a cool, dark, and dry location to prevent contamination and deformation of parts.

TEETH

Two sets of upper teeth are supplied with the unit. One set has longer posts to simulate stronger, younger teeth. The other set with shorter posts simulates fragile older teeth. Select the appropriate set for your training and install them in the upper gum.

The upper teeth are made to detach when improper technique is applied by leveraging the laryngoscope on the teeth. They will fall into the airway, so take precautions not to put pressure on them. If they fall into the airway, you will need to extract them from the oral cavity with forceps. There are additional teeth supplied with your STAT manikin, and they can be re-ordered when needed.

IV ARM

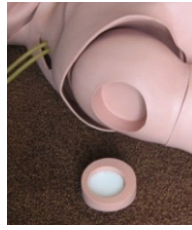


Put a drop of either dish detergent or surgical lubricant onto the tip of each connector on each of the reservoir bag tubes and connect them to the LATEX tubes (yellow arrow above) of the IV arm.

Make sure each tube is pushed up past the ribbed section of the connector to avoid leakage. Fill one reservoir bag with simulated blood or colored water. Elevate the filled reservoir bag and open the slide clamps of both reservoirs. Gravity will circulate the simulated blood through the venous network and into the second reservoir bag. When the elevated reservoir is empty, reverse its position with the lower one now filled with fluid. NOTE:

Simulated blood, which accumulates under the skin, in the veins or in reservoirs, should be removed by washing in warm tap water after each use. Fill a reservoir with warm water and allow the circulation through the venous network to wash out the veins.

INTRAMUSCULAR INJECTION SITE



Install one of the enclosed IM sites in the deltoid area of the IV arm. The foam insert can be removed, squeezed, and dried many times before being replaced. The IM pad unit can be replaced after too many injections destroy the vinyl.

CLEANING AND STORAGE

Normal cleaning of this vinyl product can be accomplished with any household, water-based, liquid cleaner. Fluid within the manikin must be drained thoroughly and fluid supply bags must be detached and emptied before storing the manikin. It is recommended that you flush IV lines with water before storing the manikin. Use appropriate CDC protocols to ensure decontamination of these spaces where moisture is likely to remain.

It is recommended that this manikin be stored in a supine position in order to preserve the shape of the molded parts. Storing the manikin in temperatures above the human comfort level softens the skin. Any pressure remaining against the manikin when cooler temperatures prevail will result in deformities. Re-warming the skin and eliminating the pressure will allow the skin to revert to its normal appearance as it cools.

REPLACEMENT PARTS:

Injection Site Disk (4 pack) #302

IV Replacement Arm Skin #390

IV Replacement Vein #367

Simulated Blood Powder #225

Reservoir Bags #144

WARRANTY: Simulaids warrants their products to be free from defects in materials and/or workmanship for a period of three years from the date of purchase, as evidenced by the date on the invoice of the product shipment to the end user. This warranty expressly does not cover abuse, accidental or purposeful damage, or any form of modification to the product. This warranty does not cover moulage products. Only products manufactured at the Simulaids plant in Saugerties, NY receive this limited warranty status. All other products sold through Simulaids, but manufactured elsewhere, are subject to the warranties supplied by the product manufacturer. These warranties may differ from the Simulaids' warranty.

Simulaids reserves the right to either repair or replace affected parts or the entire unit, at their sole discretion, after investigating and reviewing the actual product and the damage. In most instances, a digital photo of the product in question showing the damage will help qualify a product for return to the factory.

RETURN POLICY

Simulaids reserves the right to either repair or replace affected parts or the entire unit, at their sole discretion, after investigating and reviewing the actual product and the damage. In most instances, a digital photo of the product in question showing the damage will help qualify a product for return to the factory.

At no time will any product be accepted without proper return authorization issued by Simulaids. Please contact our Customer Service Department to arrange a return. Freight and Shipping charges are the sole responsibility of the end user. No product will be received with shipping charges due. Serial number of the manikin and the invoice number from the selling distributor must be provided for warranty repairs. No return authorization number will be provided without this information.

Should you have any questions or wish further information on any product call or write our Customer Service Department.

Adjunct products to augment your manikin

WMD/CBRNE Kit

Effective Mass Casualty Incident (MCI) treatment of **Weapons of Mass Destruction (WMD)** or **Chemical-Biological-Radiological-Nuclear - Environmental (CBRNE)** weapons demands a well-trained staff and starts with early recognition of the hazards at the scene. This new kit from Simulaids contains multiple copies of several types of wounds associated with WMD or CBRNE attacks.

The new face masks feature the release of fluids to mimic the physiological reaction associated with these agents, such as sweating, tearing, nasal discharge, and mouth excretions. The stick-on wounds show Improvised Explosive Device (IED) damage, a selection of wounds from our other kits, and various stages of disease states. These can be quickly applied to numerous personnel to get the exercise started with less labor. The new strap-on wounds include below-the-knee and below-the-elbow amputations, and other face masks with varying stages of small pox, anthrax, and chemical burns. The kit comes complete in a rugged carry case and includes the various make-up and accessories listed below so that you may tackle the first exercise without purchasing other supplies.

If you already have casualty kits from Simulaids, you may wish to augment those products with the WMD/CBRNE wound package.

WMD/CBRNE Kit

No. 870

Forensic Science Wound Simulation Kit

Simulaids proudly introduces the next generation forensic wound simulation training. This basic trauma evidence-gathering unit contains a series of wounds created specifically for teaching crime scene analysis and forensic scene reconstruction. The details in the wounds are designed to determine type of weapon, direction of force, and other related details that only come with realistic trauma reproduction. This innovative kit contains carefully sculpted models of injuries taken from actual victim's wounds and reviewed by forensic education professionals insuring real scene representations of trauma commonly found on violent

crime victims. This kit is a must for any applied program of wound study. Materials in this kit will provide first time exposure to the novice as well as continued training for the professional already in the field.

From simple puncture wounds associated with sharp instrument trauma to firearms entry and exit wounds, this kit is critical in studying the methodology of crime scene reconstruction based on wound demographics. Can you recognize pattern ligature in strangulation? What was the murder weapon? What does a single-bladed knife stab wound look like compared to a double-edged blade wound? What are the differences between the wound of mechanism for suicide and hesitation marks? Each of these and more are addressed with a kit that also includes moulage wax, coagulant blood, and a selection of makeup for bruising, blanching, and lividity. The entire kit comes placed in a sturdy carry cases for protection and ease of transportation to the training site.

Wounds Included:

Petechiae; Ecchymosis; Pattern Ligature; Slash; Shotgun close range; Shotgun; Intermediate range; Intermediate range round; Intermediate range flake; Exit gunshot; Contact gunshot contact handgun; Contact wound; Screwdriver; Bite partial; Bite complete; Hesitation; Single-edge knife; Double-edge knife; Blunt bat; Bunny ears exit wound; Exit wound ice pick; Compound fracture humerus; Foreign body protrusion; Large laceration; Medium laceration large compound fracture; 2nd degree burn

Forensic Science Wound Simulation Kit

Sh. Wt. 14 lbs.; Size 21" X 13" X 15"

No. 700 - \$620.00

Simulaids

16 Simulaids Drive

Saugerties, NY 12477

800-431-4310

www.simulaids.com



No. 870 WMD Casualty Simulation Kit



No. 700 Forensic Casualty Simulation Kit