

Adam, Rouilly

PRODUCTS CATALOGUE



A

REPRESENTANTE PARA ECUADOR



**SOCIEDAD RADIOTÉCNICA
ECUATORIANA**

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To contact us

- Our Sales Department will be pleased to assist you with your order or enquiry
- Please quote product codes and descriptions wherever possible
- Please quote your customer number if known
- Our terms of payment and conditions can be viewed and downloaded from our website www.adam-rouilly.co.uk
- Prices are subject to packing and freight charges
- VAT, where applicable, is charged at the current rate
- For repairs and service please contact us
- If you require assistance or technical support on our products please contact us

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Quality, Realism and Durability designed and made in the UK

Adam,Rouilly has been **serving medical education worldwide** for over **100 years** with clinical skills task trainers **designed and manufactured in the UK**.

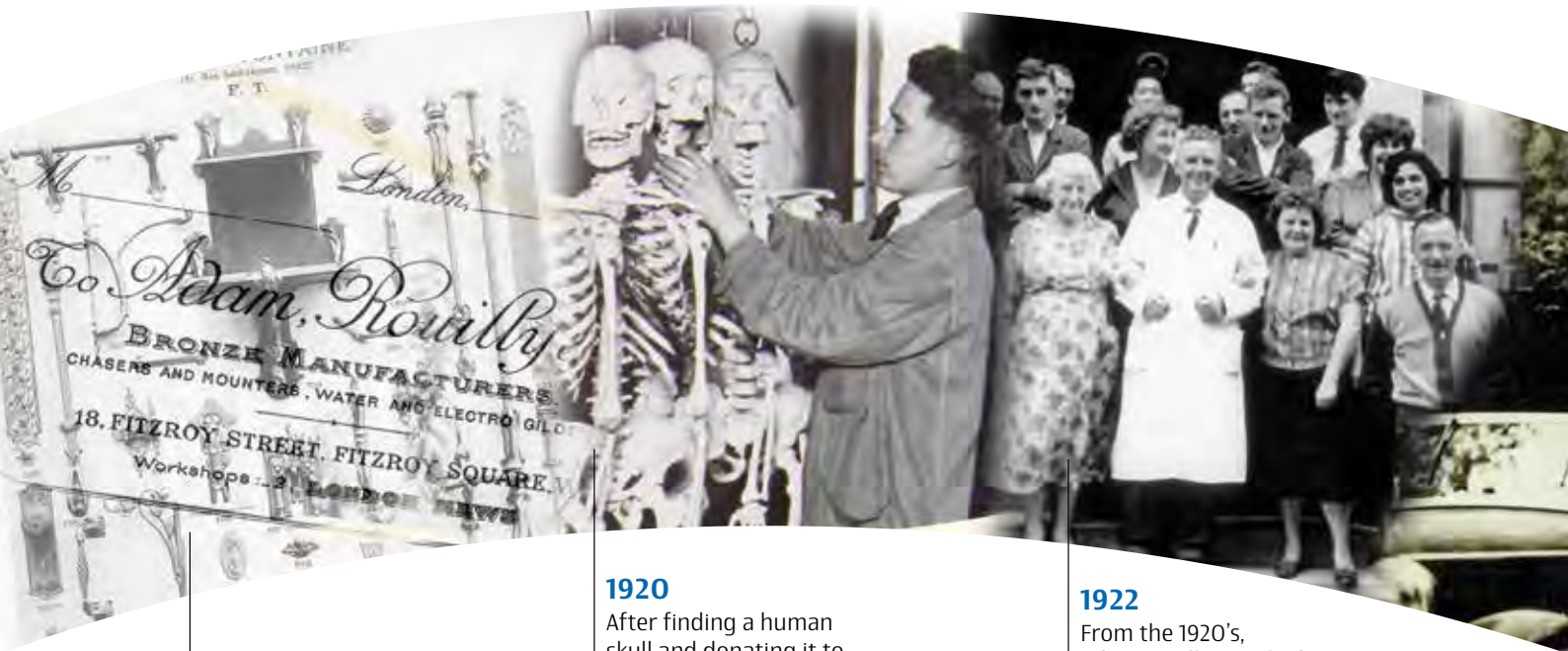
Quality, realism and durability have always been the foundations for Adam,Rouilly products and, before being ready for sale, each product must fulfil each of these criteria if it is to bear the Adam,Rouilly name.

The Company has always prided itself on providing easy to use products which require minimal maintenance but are also realistic and cost effective. This is achieved through a combination of a robust **research and development process**, with a **focus on material technologies**, as well as through **collaboration with leading clinicians and world-class medical institutions and companies**.

We have an **experienced and knowledgeable Sales Team** who are always pleased to give advice or additional information about our products – both before and after purchase. We also have a very reliable distributor network in many countries – please contact us and we will put you in touch with the contact for your country.

All products manufactured by Adam,Rouilly featured in this catalogue are covered by our full 2 Year Guarantee. This guarantee applies to models which have been used correctly and covers durability and functionality.





1918

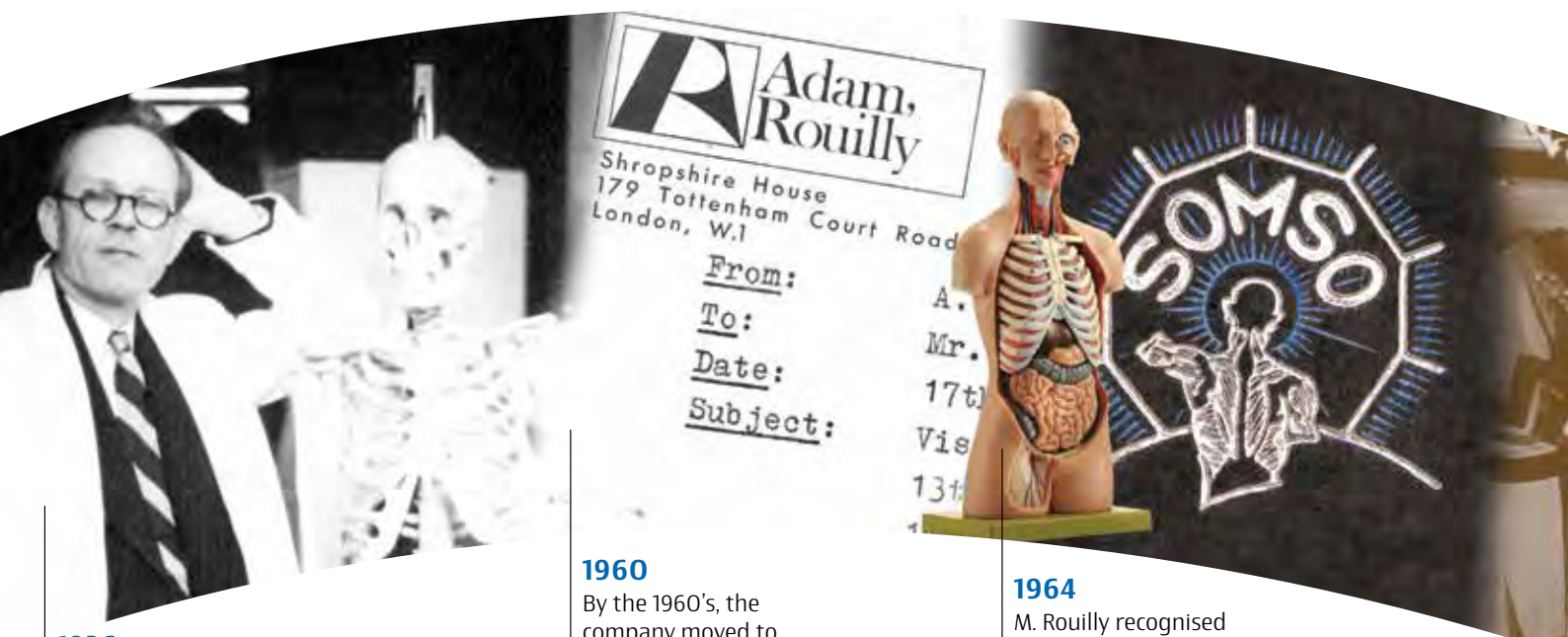
M. Guy Rouilly took over his father's architectural fittings company with a Mr Adam and changed the name to Adam, Rouilly.

1920

After finding a human skull and donating it to a local medical school, M. Rouilly was quick to realise there was a need for quality medical teaching material.

1922

From the 1920's, Adam, Rouilly supplied articulated skeletons to all the London Medical Schools and Teaching Hospitals. Staff were trained in the articulation of skeletons and these skilled workers were known as Osteologists.



1936

From his unique little shop at 18 Fitzroy Street, London, M. Rouilly would personally inspect every skeleton before it was dispatched.

1960

By the 1960's, the company moved to Shropshire House, 179 Tottenham Court Road, London. Doctors from all over the world studied in London and the name Adam, Rouilly became known worldwide.

1964

M. Rouilly recognised the superb quality of Somso models in 1927 and today these are the only Anatomical Models that Adam, Rouilly supplies.

1927

In 1927, Guy Rouilly met Marcus Sommer. The close co-operation between the two formed the basis of an enduring personal relationship which still continues to this day between Adam, Rouilly and Somso.

1930

M. Rouilly established long term relationships with companies throughout the world as the range of products offered by Adam, Rouilly expanded.

1931

In 1931, M. Rouilly introduced the Bedford Hospital Demonstration Doll developed in co-operation with Miss Bedford, nurse tutor at one of the London Nursing Schools.



1972

Management changes took place in the mid 1960's and the company also expanded both its operational and marketing activities - with many famous faces visiting exhibition stands. Manufacturing relocated to Sittingbourne, Kent.

1980

The highly successful Infusion Arm Trainer was initially produced for military training, where durability and realism were the principal requirements.

1990-2000

Expansion continued and the company moved into a modern, purpose built manufacturing, sales and distribution facility in Sittingbourne, Kent.

2020

Today's product range is still designed to reflect M. Rouilly's early philosophy. The launch of products such as Desperate Debra® affirm our commitment to realism, quality and durability.





Products Catalogue 2020

We are delighted to launch our **largest ever** Adam,Rouilly products catalogue. Alongside our outstanding range of clinical skills trainers, we are excited to debut a range of new products designed to enhance medical education in four new skill areas:

The **CathSkills® - Intelligent Catheterisation Simulator, Male and Female** (see page 10) has been developed with expert clinical guidance. We are pleased to present the first intelligent urethral catheterisation trainer which acts like a human and senses when the urine needs to flow when a catheter is inserted. The simulator is completely self contained - alleviating the need for cumbersome reservoir bags and stands. Soft, anatomically accurate interchangeable male and female genitalia offer a realistic training experience.

Our **Rectal Examination Model** (see page 14) has now been improved. We are delighted to have worked in collaboration with the **Spinal Injuries Association** to offer additional functionality making the model more versatile and lifelike than ever before. The model now provides training for stool assessment, general rectal examination and examination of an abnormality. Manual stool extraction, enema training or insertion of liquid rectal medication is now also possible.

The **Digital Cricoid Pressure Trainer®** (see page 28) has been developed in collaboration with **Dr Osman Abdelatti**, Consultant Anaesthetist, to help facilitate training in the application of the correct amount of cricoid pressure (or Sellick Manoeuvre) which is routinely used during emergency and obstetric anaesthesia and ventilation. Feedback is presented on screen instantly in an easy to understand graph at the end of the procedure - allowing for instant debriefing and discussion.

Finally, the **Glucohand® - Digital Glucometer Simulator** (see page 32) has been developed in collaboration with **Nina Godson**, Senior and Lead for Clinical Skills at Coventry University. In recognition of the rising levels in diabetes the simulator aids the understanding and teaching of blood sampling and the interpretation of glucose level data and its implications in patient treatment planning.

We are always on hand to help and discuss your training requirements with you - our contact details are on page 2.



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Product Support

We have an experienced and knowledgeable sales team who are always pleased to give advice or additional information about our products. Adam,Rouilly prides itself on giving customers personal service.

Product manuals and **videos** are also available for many of our products on our website, which can be found under the “Support” tab on individual product pages.

The red “Play” symbol next to products in this catalogue denotes where a product video is available.



Servicing, Repairs and Spare Parts

We offer a full repair service to considerably extend useful life of many of our products:

We offer a full renovation service for natural bone skeletons. Please contact us for details.

Spare or replacement parts are available for most of our products.



Product Development

We continually evaluate our range to ensure it is kept in line with the latest advances in clinical practices and procedures.

If you have an idea for a medical teaching product please contact us to discuss your requirements further.



Exhibitions

We maintain a regular attendance at both UK and international exhibitions.

An up to date list of all the events we will be attending is available on our website.



Exporting

For more than 90 years we have been exporting to customers throughout the world and have long established relationships with many world famous medical training institutions, nursing colleges, hospitals and universities. We have a very reliable distributor network in many countries.

Please see our website for a full list of distributors or contact us and we will put you in touch with your local Adam,Rouilly agent.

Clinical Skills Advice

Adam,Rouilly has been involved with the setting up of many Clinical Skills Labs and we are pleased to be able to advise on the products best suited to your requirements.

We believe our clinical skills simulators are competitively priced and we pride ourselves on offering an exemplary customer service. With more than 98 years experience dealing with healthcare professionals, customers can be assured of the best service. All orders are processed and supplied from our modern premises in Sittingbourne.

Made to Measure Storage/Carrying Cases

To keep your training aids in perfect condition we can supply robust, made-to-measure cases to accommodate many of our simulators or models.

Polycarbonate construction

Foam lined

Reinforced corners

Security clasps

Carrying handle

Please specify internal dimensions and we will be happy to prepare a quotation for you.



Care and Use of Your Models and Simulators

Most of our products are supplied with an instruction manual detailing correct use and care. These manuals have been produced to ensure a long service life - please read these carefully before use and retain for future reference.

In accordance with good clinical practice, it is strongly recommended that surgical gloves are worn when handling models and simulators. This will also reduce soiling and marking.

Equipment used with all our training models should be selected according to local policy guidelines.

NEW AR80 CATHSKILLS® - INTELLIGENT CATHETERISATION SIMULATOR, MALE AND FEMALE


Adam,Rouilly is delighted to announce its newest product, the CathSkills® - Intelligent Catheterisation Simulator, Male and Female.

Developed with expert clinical guidance, we are pleased to present the **first intelligent urethral catheterisation** trainer which acts like a human and senses when the urine needs to flow when a catheter is inserted. Soft, anatomically accurate interchangeable male and female genitalia offer a realistic training experience.

The simulator is completely self contained - alleviating the need for cumbersome reservoir bags and stands. For ease of use, timed or continuous flow operating modes can be selected and the unit will alert if the reservoir is nearly empty.

An extra long low voltage power cable is included, as well as an external battery pack, allowing the unit to be used almost anywhere - augmenting simulation training for catheterisation procedures in simulation or patient actor type scenarios.

Features



Easy to use, minimal maintenance



Water is stored in the unit to simulate urine flow, alleviating the need for cumbersome reservoir bags and stands, making the unit highly mobile



A unique intelligent system responds to catheter insertion just as a human would. The model can be set to pass urine for a preset amount of time or a continual flow for connection to a catheter bag



The lifelike anatomy has been carefully moulded to offer the most realistic experience in urethral catheterisation procedures for both male and female patients, including moveable upper thighs



The female anatomy contains a shorter urethral representation and labia which must be parted in order to access the urethra. To enhance anatomical understanding, a vaginal opening is also present and can accept part of the catheter to simulate incorrect placement



The male anatomy has a removable foreskin which can be retracted for cleaning procedures and repositioned after successful catheterisation. Representations of the external urethral sphincter and prostatic region can be felt as points of slight resistance during catheter insertion



Battery or worldwide mains power compatible



See our website for product video



AR80 CathSkills® - Intelligent Catheterisation Simulator, Male and Female

Skills

- Patient communication, consent and chaperone procedures
- Setting up of a sterile field
- Cleaning of genital areas
- Insertion of lubricant into the urethra
- Female urethral catheterisation: correct identification of the urethra and vaginal opening by separating the labia and use of a light source if necessary
- Male urethral catheterisation: inserting the catheter and moving the penis to a 90° angle, overcoming points of resistance
- Verification of successful catheterisation when urine flows
- Inflation of catheter balloon
- Connection to a catheter bag
- Residual urine volume monitoring

Size 12 Ch/Fr or 14 Ch/Fr catheter devices should be used with this model

Includes

- Lower torso with moveable legs
- Removable water tank and control unit
- Interchangeable female genitalia
- Interchangeable male genitalia
- Low voltage mains adaptor with worldwide plug fixings
- External battery unit (requires x6 AA batteries, not included)



Interchangeable male and female genitalia supplied



Cleaning of the genital areas



Injection of lubricant into the urethra



Male catheterisation procedures



Female catheterisation procedures



Successful catheterisation confirmed by water flow



Connection to catheter bag

AR341 SUPRAPUBIC CATHETERISATION MODEL, WHITE AR341-B SUPRAPUBIC CATHETERISATION MODEL, BLACK

Suprapubic catheterisation is becoming an increasingly common alternative to urethral indwelling catheters, and can be undertaken by practitioners and nurses in many healthcare settings. Training away from the patient is essential to ensure that practitioners feel confident and competent to carry out the procedure.

Features



Simple to set up and use



When the bladder is successfully reached water will flow through the catheter



See our website for product video

Skills

- The suprapubic catheterisation model allows the practitioner to feel the normal pressures exerted by the abdominal wall on catheterisation
- Allows the practitioner to understand the average length of catheter required to be inserted in order to drain the bladder

Includes

- Lower torso on a base
- Plastic container with lid and fittings
- Pressure bulb with tubing and connectors
- Size 16 Foley Catheter
- Instruction manual
- Rigid carrying case



AR341 Suprapubic Catheterisation Model, White



AR341-B Suprapubic Catheterisation Model, Black

NEW **AR385** MALE & FEMALE AND SUPRAPUBIC CATHETERISATION MODELS SET

Our new **AR80 CATHSKILLS® - INTELLIGENT CATHETERISATION SIMULATOR, MALE AND FEMALE** and popular **AR341 SUPRAPUBIC CATHETERISATION MODEL** are now available together in an educational set ideal for any clinical skills setting.

The new **AR80 CATHSKILLS® - INTELLIGENT CATHETERISATION SIMULATOR, MALE AND FEMALE** (see page 10) features realistic interchangeable male and female genitalia in a compact and innovative design - perfect for urethral catheterisation procedures.

The **AR341 SUPRAPUBIC CATHETERISATION MODEL** (see page 12) allows for training in the care and use of suprapubic catheters inserted through the abdominal wall.

Together both models offer a complete training solution for all aspects of catheterisation training.

Features



Cost saving advantage as a two model set



Simple to set up and use



Male urethral catheterisation procedures



Female urethral catheterisation procedures



Suprapubic catheterisation procedures



Lifelike anatomy



Battery or worldwide mains power compatible

Skills

- Patient communication, consent and chaperone procedures
- Setting up of a sterile field
- Cleaning of genital areas, catheter insertion, balloon inflation and removal
- Residual urine volume monitoring
- Suprapubic bladder drainage





AR421 RECTAL EXAMINATION, STOOL ASSESSMENT AND ENEMA TRAINING MODEL



Our Rectal Examination Model has now been improved. We are delighted to have worked in collaboration with the **Spinal Injuries Association** to offer additional functionality making the model more versatile and lifelike than ever before.

The Improved Rectal Examination Model now offers **stool assessment, general examination, stool extraction and enema training in one portable model.**

Since the model can now accept liquid enemas, training in the use of **liquid rectal medication** is now possible.

A comprehensive calendar style flip guide is also included, showing the **Bristol Stool Scale** and **photographic representations of 13 important common and less common rectal conditions.**

The model offers the ideal training solution for OSCEs, nurse training or those involved with patient care.

Features



Easy to use, minimal maintenance



The internal anatomy has been redesigned and produced in a softer, more lifelike material



4 interchangeable rectal inserts for:

1. Stool assessment/general examination
2. Stool extraction
3. Identification of an abnormality in the rectal wall
4. Enema/liquid medicine administration



Flip style guide containing the Bristol Stool Chart as well as 13 photographic rectal condition for enhanced training



Representations of 9 types of stool ranging from soft to hard



2 hard stools for stool extraction



With use of the Enema insert, the model can now accept liquid rectal medication, e.g. rectal Diazepam, or enemas and micro enemas or irrigation procedures



See our website for product video



AR421 Rectal Examination, Stool Assessment and Enema Training Model

Skills

- Patient communication, consent and chaperone procedures
- Identification of common and less common rectal conditions
- Rectal examination, stool assessment and the Bristol Stool Scale
- Identification of an abnormality palpable in the wall of the anal canal
- Enema administration and irrigation
- Administering of liquid rectal medication

Includes

- Simulated abdomen in left lateral position
- x4 anal canal inserts
- 9 simulated stools for assesment
- 2 stools for stool extraction
- Enema collection bottle
- Enema drainage tube
- Flip style guide with Bristol Stool Scale and 13 photographic rectal conditions



Stool assessment and rectal examination



With the stool holder removed, assessment of trainee's technique is possible



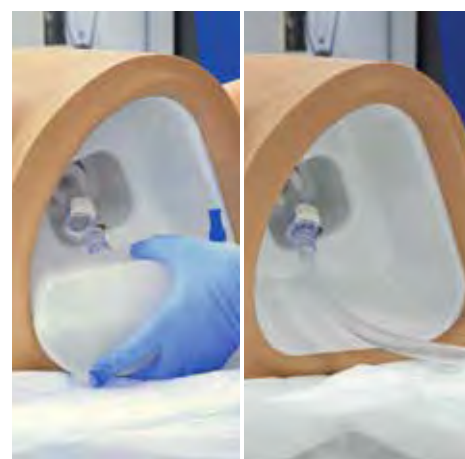
Stool extraction



Enema administration



Easily interchangeable anal canal inserts



Enema bottle for micro-enemas or medication. Drainage tube for irrigation or larger enemas.

AR150 STOMA CARE TORSO, WHITE
AR150-B STOMA CARE TORSO, BLACK



Adam,Rouilly's highly popular Stoma Care Torso has been improved to be larger and closer in size to an adult. Our continuing investment in the latest materials and production techniques has allowed us to create our most realistic stomas - both in look and feel.

Features



Simple to set up and use



Supplied with five different types of stoma which are easily interchangeable:

- Ileostomy
- Loop Ileostomy
- Urostomy (with stents)
- Colostomy
- Loop Colostomy (with removable bridge)



Compatible with most barrier creams and films



Dressings and plasters can be applied to the torso repeatedly



See our website for product video

Skills

- The Stoma Care Torso is designed to train healthcare professionals involved in caring for patients with a colostomy, ileostomy or urostomy
- An invaluable tool also for patient self-training



AR150 Stoma Care Torso, White



AR150-B Stoma Care Torso, Black

Includes

- Instruction manual
- Soft carrying case

Replacement Part

AR151 SET OF STOMAS



Barrier cream application



Adhesive dressing compatible



Urostomy



Ileostomy



Loop Ileostomy



Soft Carrying Bag



Colostomy



Loop colostomy with removable bridge



AR90 CORMAN®- ADULT NASOGASTRIC/NASOJEJUNAL FEEDING TRAINER











The CorMan® simulator has been designed to allow training on a variety of scenarios. The feeding tube may be **diverted** into either the **right** or **left lung**, into the **stomach** or through a dynamic pyloric sphincter into the **duodenum**. An open mouth and moveable head demonstrate **feeding tube curling** in the back of the mouth during difficult placements.

The lungs, stomach and small intestine all accept fluids, allowing for aspiration and administering feed or medication.

Developed in collaboration with clinical experts the simulator has been designed to enhance training and proficiency in nasogastric and nasojejunal feed tube and gastrostomy device placement and management in **adults**.

Features

-  Easy to use, minimal maintenance
-  Accurate internal anatomy
-  Divided nasal septum allows for use of nasal bridges
-  Moveable head and visible tube curling
-  Tracheal/oesophagus feed tube diversion
-  Left and right lung entry
-  Stomach unit with gastrostomy opening
-  Dynamic pyloric sphincter and duodenum
-  Upright or supine use
-  Transparent anatomy to aid understanding. Removable skin enhances blind training.
-  See our website for product video



AR90 CorMan®

Skills

- Measurement, placement and securement of nasogastric and nasojejunal tubes
- Insertion of gastrostomy device
- Tube misplacement into left or right lung
- Measuring pH (acidity/alkalinity) of stomach aspirate
- Enteral feeding via nasogastric, nasojejunal or gastrostomy devices
- Administration of liquid based medicines

Includes

- Silicone lubricant
- Instruction manual
- Rigid carrying case with wheels

Replacement Part

S90/9 STOMACH & SMALL BOWEL

Size 10 Fr Nasogastric , Size 12 Fr Ryles and Size 16 Fr Gastrostomy devices should be used with this model



Insertion of nasogastric/nasojejunal tubes



Nasogastric procedures (shown with skin in place)



Feed tube placement in stomach or small bowel



Misplacement of feeding tube in lungs



Use of adhesive dressings and nasal bridges (shown with skin in place)



Gastrostomy device placement



Rigid carrying case with wheels



Setting of tube diversion



Easy drainage



AR331 THE HUNGRY MANIKIN® - PAEDIATRIC NASOGASTRIC FEEDING TRAINER



This model was designed by nutrition nurses at **Birmingham Children's Hospital** to demonstrate to parents/carers the technique for inserting nasogastric and gastrostomy tubes in children.

The Hungry Manikin® has been significantly improved so that fluids can be introduced into the stomach. The transparent cover is now removable and, by means of a simple connector, the stomach can be removed for cleaning.

This simple to use simulator helps identify the stages of placement, ensuring that the nasogastric device is passed safely and correctly.

This manikin enables parents/carers to visualise the correct positioning of nasogastric and gastrostomy tubes and also practise the associated techniques.

Families have reported that The Hungry Manikin® gave them invaluable practice and increased their confidence and understanding.

Features



Movable epiglottis to demonstrate swallowing



Transparent body - allowing trainees to observe the tube being passed



Divided nasal septum allows use of nasal bridles



Gastrostomy opening



Representation of lungs and oesophagus



See our website for product video



Skills

- Measurement, placement and securement of nasogastric tube
- Insertion of gastrostomy tube
- As the manikin accepts fluids, training in the following procedures is now possible:
 - Aspiration of the stomach for confirming correct tube placement
 - Measuring pH (acidity/alkalinity) of stomach aspirate
 - Enteral feeding via nasogastric or gastrostomy tubes
 - Administration of liquid based medicines

Includes

- Instruction manual
- Rigid carrying case

Replacement Part

S331/8 STOMACH UNIT

Size 6 Fr or size 8 Fr Nasogastric and up to Size 12 Fg Ryles tubes should be used with this model



Movement of epiglottis



Aspiration of stomach



Securing nasogastric tape



Bolus feeding



Inflating gastrostomy tube



Administering via gastrostomy

Adam,Rouilly supports DEMELZA –
Hospice Care for Children

AR1000 SUPERIOR FEMALE BEDFORD DOLL, WHITE

AR2000 SUPERIOR MALE BEDFORD DOLL, WHITE

The best-selling Superior Bedford Doll offers a range of features for both basic and advanced nursing procedures and scenarios.

From **basic patient handling, dressing and care** to **advanced intramuscular injection, tracheostomy, catheterisation and enteral feeding** the Superior Bedford Doll is an ideal full body patient manikin.

A **unique soft, palpable and washable skin** to ensure realism and **excellent durability** - ensuring years of reliable service.

Skills

- Articulated waist for greater flexibility
- Moulded colostomy stoma
- Bed positioning
- Patient handling
- Aspiration
- Bandaging - wet and dry
- Enema administration
- Intramuscular injections
- Nasogastric feeding
- Stoma care
- Stomach irrigation
- Suprapubic catheterisation
- Tracheostomy - dressing and nursing care
- Urethral catheterisation
- Washing



Nasogastric feeding



Intramuscular injection



Tracheostomy care and dressing



AR1000

AR2000



Patient handling

Includes

- Interchangeable female and male genitalia **AR1000**
- Male genitalia only with **AR2000**
- 16 Fr stomach tube, 18 Fr balloon catheter, 26 Fr rectal tube and instruction manual.

Bedford Doll Renewal Service and Replacement Parts

Our Sales Department will be happy to advise on the repair service and replacement parts we offer to considerably extend the life of your Bedford Doll.

Optional extras

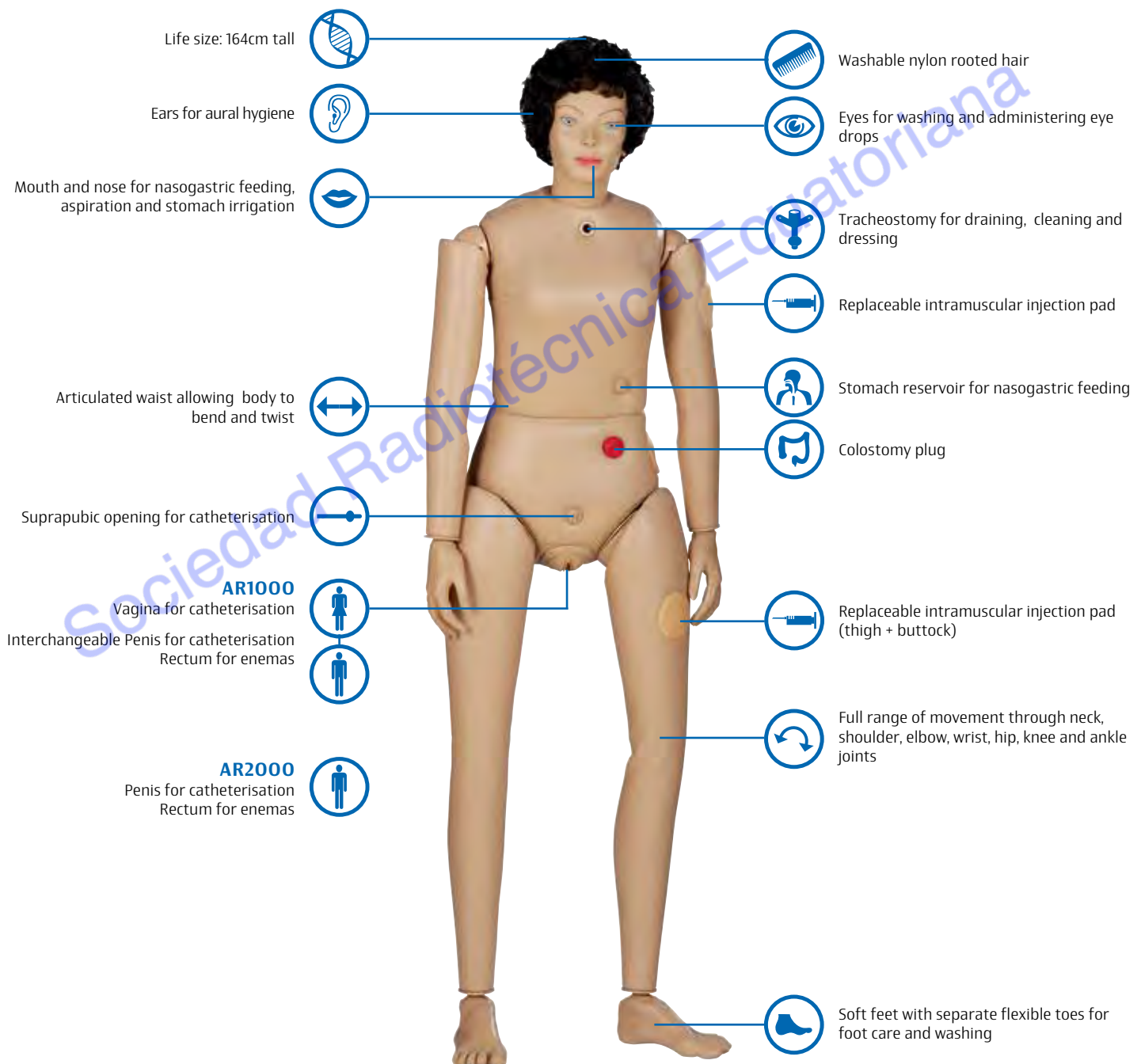
AR12 ABOVE ELBOW AMPUTATION STUMP

AR13 BELOW ELBOW AMPUTATION STUMP

AR14 ABOVE KNEE AMPUTATION STUMP

AR15 BELOW KNEE AMPUTATION STUMP

Features



AR1000

AR351 NERVE BLOCK/PAIN RELIEF MANIKIN



The Regional Anaesthesia Simulation Manikin has been designed by a **Consultant Anaesthetist** at the **Manchester and Salford Pain Centre** for training anaesthetists in correct needle placement in Nerve Blocks for pain management.

The manikin has now been improved to include a flesh coloured fabric covered torso.

Features



The manikin consists of a specially coated plastic human skeleton, head covered in artificial skin and flesh coloured fabric covered torso, on which trainees can practice the placement of needles under X-ray image intensifier control



The X-ray density of the manikin is low so that the doses of radiation used during simulated procedures are reduced



See our website for product video

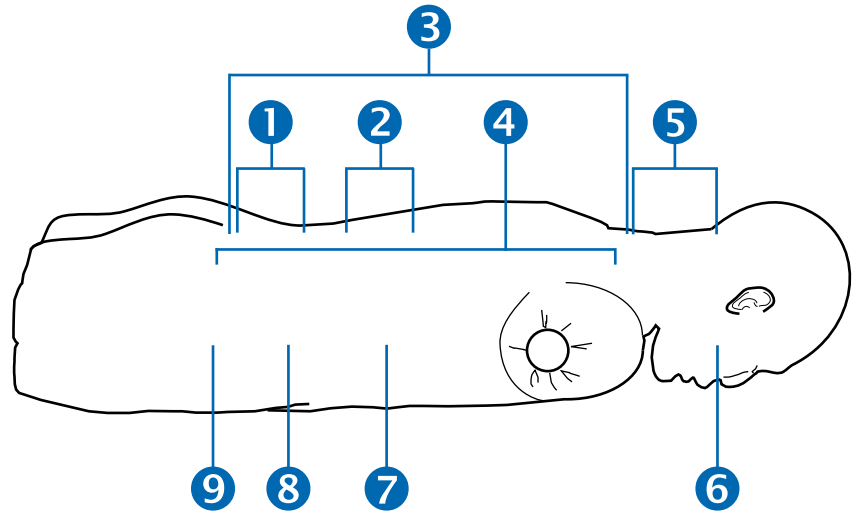
Skills

- Knowledge of surface anatomy applied to the individual nerve blocks
- Orientation of image and identification of appropriate radiographic landmarks
- Identification point of needle insertion and angle of direction
- Recognition of contact with deep bony structures
- Principle of withdrawing and directing needle to alter the angle
- The end point of simulation is the correct radiographic appearance
- Accurate needle placement is required to guarantee the efficacy of many diagnostic pain clinic blocks and is mandatory when neurolytic solutions are used. Radiological screening to confirm needle placement should be routine and training for this needs to be practical
- Attempts at regional anaesthesia by trainees who are not familiar with the techniques may result in uncomfortable and prolonged procedures for patients



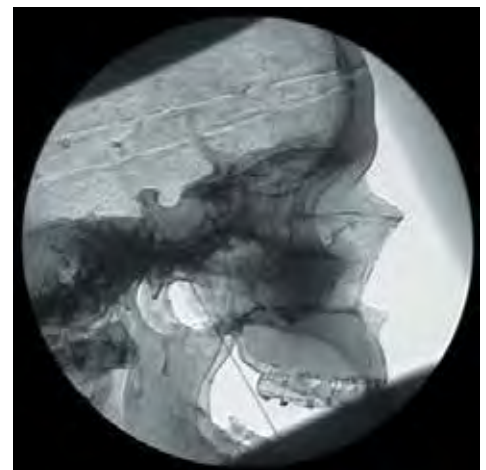
The Manikin can be used to teach the following Nerve Blocks:

- ❶ Lumbar sympathetic block
- ❷ Splancnic nerve block
- ❸ Epidural injections at all spinal levels
- ❹ Cervical, Thoracic and Lumbar facet joint injection and radio frequency denervation of posterior primary ramus
- ❺ Cervical facet joint injection
- ❻ Trigeminal ganglion block or radio frequency needle placement
- ❼ Coeliac nerve block
- ❽ Superior hypogastric nerve block
- ❾ Sacroiliac joint injection



Includes

- A special DVD and leaflet illustrating the use of the manikin
- Rigid carrying case



Photographed at The Pain Management Centre, Hope Hospital, Salford, UK

AR10A X-RAY/RADIOGRAPHIC POSITIONING DOLL



An invaluable teaching aid in Schools of Radiography, without bringing discomfort or danger to patients or students.

Widely used by schools of radiography throughout the world.

Features



Life-size figure containing a fully flexible articulated skeleton produced from a specially selected grade of plastic



No metal parts are used in the articulation of the skeleton



Representations of the larynx, heart, lungs and kidneys are constructed from radiolucent material, making anatomical landmarks easily identifiable



The body covering has the combined properties of being able to simulate surface anatomy whilst remaining totally radiolucent



Weight – the doll is light enough to be carried easily



Realistic all-over joint flexibility including hip rotation and slight hyperflexion in the knees and elbows



Flexible and durable articulation of the skeleton ensures a lengthy period of use



See our website for product video

Skills

- Life size human figure for training radiographers in the following skills:
 - Positioning techniques
 - Patient handling
 - X-Ray machine use

Positioning

- The doll may be used in all recumbent positions and will lie naturally in the neutral position, prone or supine
- Use of an upright bucky is possible with supports
- The doll can be positioned for all standard projections. As with many patients in real life scenarios positioning aids such as foam blocks, wedges, sand bags or compression bands should be used

CT Scanning

- The X-Ray Positioning Doll can be positioned and imaged for a whole body CT (Computed Tomography) investigation
- Good images in terms of body outline and fundamental structure can be obtained. Certain areas of the skeleton structure e.g. thoracic vertebrae and the head of the femur gave similar values to the typical patient
- As the doll is very different from the human body in terms of attenuation it cannot be used for training in, or practising exposure control

Individual X-Rays for each Doll

- Each Doll is individually X-rayed and a copy of the images are supplied with the doll
- Customers can be reassured that there are no metal parts in the Doll by referring to the set of digital X-Rays which are supplied with each Doll
- Images shown were taken using medium frequency generator; no grid; fine focus; 100cm S.I.D. Fuji CR system





AR70 DIGITAL CRICOID PRESSURE TRAINER®, WHITE AR70-B DIGITAL CRICOID PRESSURE TRAINER®, BLACK



Adam,Rouilly is delighted to announce the Digital Cricoid Pressure Trainer®.

Developed in collaboration with Dr Osman Abdelatti, Consultant Anaesthetist, the Cricoid Pressure Trainer® has been developed to help facilitate training in the application of the **correct amount of cricoid pressure** (or Sellick Manoeuvre) which is routinely used during emergency and obstetric anaesthesia and ventilation.

Studies have shown that **95% of clinicians were unable to identify the correct amount of force required** to occlude the oesophagus and that **87% were incapable of applying the correct amount of force**. The Cricoid Pressure Trainer aims to significantly enhance training utilising the device's realistic anatomical structures and instantaneous electronic feedback.



AR70 Digital Cricoid Pressure Trainer®, White



AR70-B Digital Cricoid Pressure Trainer®, Black

Features



Easy to set up and use



Internal anatomy offers realistic feeling during palpation of the tracheal rings, cricoid cartilage, cricoid ligament and thyroid cartilage



A translucent skin covering is also included to aid visual anatomical understanding, whilst a flesh tone skin covering can be used as proficiency is gained and in scenario based simulation



A full colour digital display offers instantaneous visualisation of the degree of cricoid pressure being applied and whether this is correct or too much or too little



The unit can be switched into the timer/feedback mode which records how long the correct cricoid pressure was held for and presents an easy to understand graph at the end of the procedure allowing for instant debriefing and discussion



The digital display can be set to Newtons or Kilograms



Exam mode hides the display of the current applied pressure, helping trainees gain proficiency in application of the correct pressure using muscle memory



Battery or worldwide mains power compatible



See our website for product video

Skills

- Palpation of the throat anatomy and correct identification of landmarks
- Application of the correct cricoid pressure
- Maintenance of the correct amount of cricoid pressure
- Recognition of too little or too much cricoid pressure applied and its implications in patient welfare

Includes

- Cricoid pressure trainer base and throat anatomy
- Flesh tone skin covering
- Translucent skin covering
- Low voltage mains adaptors with worldwide plug fixings



Realistic throat anatomy



Translucent skin covering for anatomical understanding



On-screen indication of correct cricoid pressure



On-screen indication of too little or too much cricoid pressure



One touch button operation for the timer/feedback mode



In timer mode, a graph is presented which shows how long the correct cricoid pressure was held for



Digital display in Newtons or Kilograms



Worldwide mains or battery power



AR251 INJECTION, VENEPUNCTURE, CANNULATION & INFUSION ARM, WHITE AR251-B INJECTION, VENEPUNCTURE, CANNULATION & INFUSION ARM, BLACK



Cast from life, our best selling Venepuncture and Infusion Arm been Trainer has been improved and now has more pronounced veins in the antecubital fossa region of the forearm and on the back of the hand.

With an extremely realistic finish, it shows a well developed male left arm in fine detail.

The arm features a flexible wrist for added realism, durable silicone skin and is simple to set up, operate and maintain.



AR251 Infusion Arm, White



AR251-B Infusion Arm, Black

Features



Easy to set up, operate and maintain



Continuous, closed vein system is clean to use. An innovative two bottle sealed blood assembly with automatic pressure release valve greatly reduces the risk of leakage



A realistic sensation is felt when the skin and vein are penetrated. Lifelike blood 'flashback' confirms correct needle location in the vein and blood can then be withdrawn



Flexible wrist for improved realism



The skin is moulded from a specially selected grade of silicone to improve feel and durability. Palpation of veins and identification of working and 'blind veins' is also possible.



The material used for the veins, and the silicone skin have self sealing characteristics that can be penetrated many times, enhancing durability



Many procedures can be carried out before a replacement skin is required. Replacement skins and veins are simple to fit



See our website for product video

Skills

- Intravenous cannulation - on the back of the hand or forearm
- Setting up and monitoring infusions including application of adhesive dressings to secure cannula in place
- Withdrawal of blood using syringe or vacutainer

Accessible Veins

- Cephalic
- Basilic
- Median Cubital
- Dorsal metacarpal

Minimising Spillage and Staining

- The innovative sealed blood assembly reduces the risk of spillage as fluids can easily be pumped from one bottle to the other
- Special blanking plugs for the bottles are provided when transporting the arm

Includes

- Arm
- Arm rest
- Blood bottle assembly (2)
- Blanking plugs for transportation (2)
- **AR204 BLOOD CONCENTRATE** to make up 2.5 litres artificial blood
- Instruction manual
- Rigid carrying bag for easy storage

Replacement Parts

AR204 BLOOD CONCENTRATE TO MAKE UP 2.5 LITRES ARTIFICIAL BLOOD

AR253 SKIN AND VEIN SET, WHITE for AR251

AR253-B SKIN AND VEIN SET, BLACK for AR251-B

SPAR251 REPLACEMENT BOTTLES, PRESSURE SYSTEM AND ARM REST

Renewal Service

The AR251 and AR251-B can be re-skinned and re-veined. This is a relatively simple procedure for customers to undertake. However, if you prefer we can carry out this service for you.

Please contact our Sales Department for further information on this service.



Simple set up



Unique pressurised blood system



Vein palpation



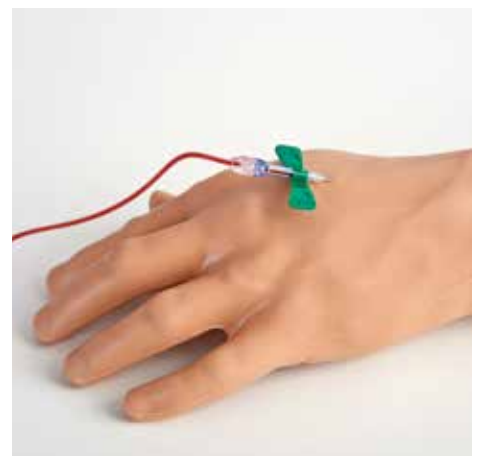
Realistic flashback



Vacutainer blood withdrawal



Cannula insertion. Adhesive dressing application



Cannula insertion in the back of the hand



AR28 GLUCOHAND® - DIGITAL GLUCOMETER SIMULATOR, WHITE AR28-B GLUCOHAND® -DIGITAL GLUCOMETER SIMULATOR, BLACK



Adam,Rouilly is delighted to announce its latest product innovation, the **GlucoHand® - Glucometer Simulator**.

Diabetes affects some 415 million people globally and it is expected to affect one person in 10 by 2040, raising this international figure to 642 million. In the UK an estimated 4.5 million people live with diabetes¹. Effective diabetes management is now a growing part of those general skills which all clinicians must possess.

Blood glucose monitoring remains key in managing diabetes. In collaboration with **Nina Godson, Senior and Lead for Clinical Skills at Coventry University**, the GlucoHand® has been developed in recognition of this rising disease. It aids the understanding and teaching of blood sampling and the interpretation of glucose level data and its implications in patient treatment planning. The GlucoHand® also facilitates patient education, as approximately 700 people a day² in the UK are diagnosed with diabetes.

Features



Easy to set up and use



Simulated glucometer functions just like as a real glucometer with readings in mmol/L or mg/dL



Scenario control - the tutor or technician may pre-program the simulated glucometer to give a high, medium, low or completely random blood glucose reading for training or simulation scenarios



Natural size, realistic adult left hand. Middle and ring finger with removable blood pads for blood glucose sampling



Refillable finger blood pads uses Adam,Rouilly **AR204** standard mock blood - no need for sugar or control solutions



Ideal for scenario based simulation, hybrid simulation as well as patient education



Reusable simulated glucose test strips for economical training



See our website for product video



AR28 GlucoHand® - Digital Glucometer Simulator, White



AR28-B GlucoHand® - Digital Glucometer Simulator, Black

^{1,2} Diabetes figures from Diabetes UK, Facts and Stats October 2016

Skills

- Patient communication
- Glucometer handling and test strip loading
- Aseptic technique around blood sampling
- Obtaining a blood sample and placement of this onto the test strip
- Interpreting the blood glucose reading as part of wider patient treatment planning

All in One Solution for Blood Glucose Training

- The model features a simulated glucometer device which allows the tutor or trainer to pre-set a low, normal, high or completely randomised glucose reading
- Also includes a realistic adult sized hand, cast from life, with two refillable finger blood pads in the middle and ring fingers
- Blood samples from each of these finger tips may be drawn and measured using the supplied reusable simulated blood glucose test strips, which will produce a result on the simulated Glucometer which can then be interpreted by the student

Includes

- Simulated Glucometer Device
- Simulated hand with two blood finger pads on base
- 20 reusable simulated blood glucose test strips
- **AR204 BLOOD CONCENTRATE** to make up 2.5 litres artificial blood

Replacement Part

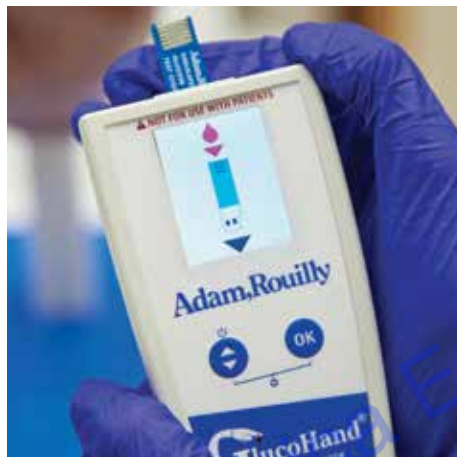
SPAR28 SIMULATED GLUCOSE TEST STRIPS x20



Blood glucose level preset by trainer



Reusable simulated test strips



Simulated Glucometer functions just as in real life



Fingertips contain pre-made holes for sampling. Lancets can be used for blind puncture



Placement of blood sample onto test strip



A predetermined or randomised reading must be interpreted by the student, clinician or patient



AR402 DIGITAL EAR EXAMINATION TRAINER, WHITE
AR402-B DIGITAL EAR EXAMINATION TRAINER, BLACK



Developed in collaboration with **Professor Tony Wright, Emeritus Professor of Otolaryngology**, our new **AR402 DIGITAL EAR EXAMINATION TRAINER** has been designed to facilitate the most realistic training experience in **ear examination**.

Using high resolution digital screen technology, the trainer includes **48 common and less common ear conditions** as well as an

anatomically accurate ear structure to offer a comprehensive training solution for ear examination and use of an otoscope.

The trainer is also available as an **educational set** together with our **AR403 DIGITAL EYE RETINOPATHY TRAINER** – please see the **AR405 DIGITAL EYE AND EAR EXAMINATION TRAINER SET** on page 38.

Features



Simple to set up and use



Soft, flexible and realistic pinna and ear canal



High resolution digital display



Easy to use, digital control for ear conditions



Examination cover to hide displays of condition numbers



Battery or worldwide mains power compatible



Sleep mode to conserve power



See our website for product video



AR402 Digital Ear Examination Trainer, White



AR402-B Digital Ear Examination Trainer, Black

Conditions and Diseases of the Ear

1. Normal I
2. Normal II
3. Ear Wax (Cerumen)
4. Swimmer's Osteoma
5. Fungal Ear 1
6. Fungal Ear 2
7. Acute Viral Ear
8. Acute Secretory Otitis Media I
9. Resolving Secretory Otitis Media
10. Acute Secretory Otitis Media II
11. Acute Suppurative Otitis Media III
12. Perforation following an Acute Suppurative Otitis Media (ASOM)
13. Childhood Glue Ear
14. Glue Ear in a Child with a Dermoid Cyst in the Eardrum
15. Adult Glue Ear
16. A Standard Ventilation Tube in the Membrane
17. Infected Mini Grommet with Otitis Externa Secondary to the Mucus Discharge
18. Permavent Tube in Place
19. Large Perforation of the Tympanic Membrane
20. A Posterior Perforation of the Tympanic Membrane
21. Two Small Traumatic Perforations following a Blow to the Ear
22. Subtotal Perforation of the Tympanic Membrane
23. Perforation with Tympanosclerosis
24. Grommet Scar Healed
25. Tympanosclerosis of Tympanic Membrane
26. Posterior Retraction
27. Retraction onto Long Process of the Incus
28. Retraction with Loss of Long Process of the Incus and Keratin Trail
29. Retraction with loss of Long Process of the Incus
30. Posterior Retraction Pocket onto Jugular Bulb and with Middle Ear Fluid
31. Retraction with Early Keratin Build Up
32. Childhood Attic Retraction
33. Deep Attic Retraction
34. Attic retraction Accumulation Keratin – Underlying Cholesteatoma
35. Extensive Accumulation with Cholesteatoma in Middle Ear
36. Wet Cholesteatoma
37. Clean Dry Reconstructed Mastoid Cavity
38. Old Style Mastoid Cavity with Residual Cholesteatoma
39. Mastoid Cavity with Fistula into Lateral Semicircular Canal
40. Congenital Cholesteatoma
41. Large Congenital Cholesteatoma
42. Ear Canal Cholesteatoma I
43. Ear Canal Cholesteatoma II
44. Keratosis Obturans
45. Glomus Tympanicum Tumours
46. Glomus Jugulare Tumour
47. Foreign bodies
48. Aural Polyp

Includes

- Removable Shoulder base
- Instruction manual describing details of each condition
- Low voltage mains adaptor with worldwide plug fixings
- Rigid carrying case

Optional Extra

ARRO0001 OTOSCOPE



Soft, flexible and realistic pinna and ear canal



Simple digital control for ear conditions



Cover to hide condition LED indicator under examination conditions



Worldwide mains power



Battery Power (batteries not included)

AR403 DIGITAL EYE EXAMINATION/RETINOPATHY TRAINER, WHITE
AR403-B DIGITAL EYE EXAMINATION/RETINOPATHY TRAINER, BLACK



Adam,Rouilly's already successful AR303 Eye Retinopathy Trainer has been completely redesigned to use the latest in **high resolution digital screen technology** - enhancing realism and the training experience.

Our new **AR403 DIGITAL EYE RETINOPATHY TRAINER** includes **36 diabetic, common and less common retinal conditions** to offer

excellent 'hands-on' experience in examination of the eyes and the use of an ophthalmoscope.

The trainer is also available as an **educational set** together with our **AR402 DIGITAL EAR EXAMINATION TRAINER** – please see the **AR405 DIGITAL EYE AND EAR EXAMINATION TRAINER SET** on page 38.



AR403 Digital Eye Examination/Retinopathy Trainer, White



AR403-B Digital Eye Examination/Retinopathy Trainer, Black

Features



Simple to set up and use



High resolution digital display



Easy to use, individual digital control for each eye



Examination cover to hide displays of condition numbers



Battery or worldwide mains power compatible



Sleep mode to conserve power

Conditions and Diseases of the Retina

Diabetic Retinopathy (According to National Screening Programmes England, Europe and WHO)

1. Background Diabetic Retinopathy
2. Maculopathy
3. Pre-Proliferative Diabetic Retinopathy
4. Proliferative Diabetic Retinopathy
5. New Vessels Disc
6. Laser
7. Photocoagulation
8. Ungradable

Important and Common Retinal Conditions

9. Normal
10. Glaucoma
11. Papilloedema
12. Optic Atrophy
13. Age-related Macular Degeneration (Dry)
14. Hypertensive Retinopathy
15. Central Retinal Vein Occlusion
16. Central Retinal Artery Occlusion
17. Drusen
18. Retinitis Pigmentosa
19. Myelinated Nerve Fibres
20. High Myopia
21. Branch Retinal Vein Occlusion

Important and Less Common Retinal Conditions

22. Pre-Retinal Vein Occlusion
23. Multiple Retinal Haemorrhages
24. Retinal Detachment
25. Angioid Streaks
26. Benign Disc Neavus
27. Malignant Melanoma
28. Macular Hamorrhage
29. Choroidal Naevus
30. Macular Scar (Toxoplasma)
31. Cytomegalovirus Retinitis
32. Lipaemia Retinalis
33. Medusa Head
34. Myopic Crescent - Normal Choroidal Vessels
35. Sub Hyaloid Haemorrhage Resolving
36. Macular Burn

Includes

- Instruction manual describing details of each condition
- Low voltage mains adaptor with worldwide plug fixings
- Rigid carrying case

Optional Extra

ARRO0002 OPHTHALMOSCOPE



Simple digital control for both left and right eyes



Cover to hide condition LED indicators under examination conditions



Worldwide mains power



Battery Power (batteries not included)



AR405 DIGITAL EYE AND EAR EXAMINATION TRAINER SET, WHITE
AR405-B DIGITAL EYE AND EAR EXAMINATION TRAINER SET, BLACK



Adam,Rouilly's new **AR402 DIGITAL EAR EXAMINATION TRAINER** and popular **AR403 DIGITAL EYE RETINOPATHY TRAINER** are now available together in an **educational set** ideal for any clinical skills setting.

The **AR402 DIGITAL EAR EXAMINATION TRAINER** features **48 ear conditions** (see page 35) and the **AR403 DIGITAL EYE RETINOPATHY TRAINER** features **36 eye conditions** (see page 37)

totalling **84 ear and eye conditions** that form the ideal basis for both introductory and advanced ear and eye examination, as well as training in ophthalmoscope and otoscope use.

Both models feature high resolution displays on which each condition is represented, as well as life-size proportions and realistic features to greatly enhance any training scenario.













AR405 Digital Eye and Ear Examination Trainer Set, White



AR405-B Digital Eye and Ear Examination Trainer Set, Black

Features

-  Cost saving advantage as a two model set
-  Simple to set up and use
-  48 ear conditions (see page 35)
-  36 eye conditions (see page 37)
-  High resolution digital displays
-  Easy to use, digital control for eye and ear conditions
-  Examination cover to hide displays of condition numbers
-  Battery or worldwide mains power compatible
-  Sleep mode to conserve power
-  See our website for product video



Simple digital control for eye and ear conditions



Cover to hide condition LED indicators under examination conditions

Features

- Instruction manuals describing details of each condition
- Low voltage mains adaptors with worldwide plug fixings
- Removable Shoulder base for Ear Model
- Rigid carrying cases

Optional Extras

ARR00001 OTOSCOPE

ARR00002 OPHTHALMOSCOPE



Worldwide mains power



Battery Power (batteries not included)

AR301 EAR SYRINGING TRAINER, WHITE AR301-B EAR SYRINGING TRAINER, BLACK

Features



Head is waterproof and angled correctly



Anatomically correct meatus with an embedded endoscopic photograph of a normal tympanic membrane showing the handle of the malleus as a landmark



See our website for product video

Skills

- Learn syringing without the fear or risk of harming a patient
- The flexible pinna allows manipulation

Includes

- Synthetic wax



AR301 Ear Syringing Trainer, White



AR301-B Ear Syringing Trainer, Black

AR305 NOSE BLEED/EPISTAXIS TRAINER

Developed in conjunction with the **ENT Department of Addenbrooke's Hospital, Cambridge.**

Features



The interior of the nose has capillary tubes for delivering artificial blood at variable rates to four sites on the septum



Interactive trainer - successful cautery, at four sites on septum, identified by light panel (battery included)



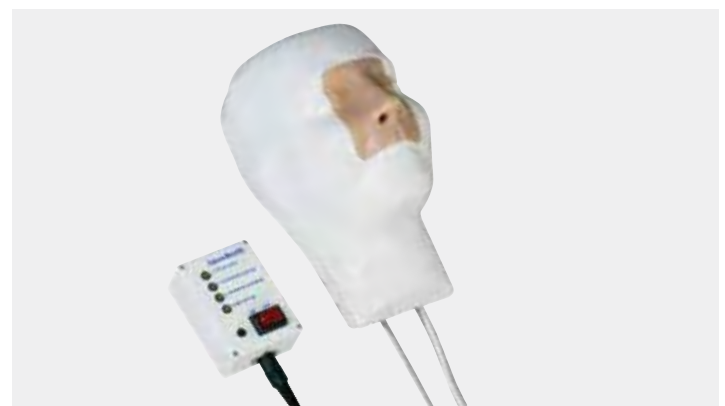
See our website for product video

Skills

- This interactive model provides a practical test of skill for all those who are required to manage severe nose bleeding/epistaxis
- Strongly recommended for all ENT and Casualty departments
- For training in cautery and nose packing
- Success of cautery, at four sites on septum, identified by light panel (battery included)
- The trainee must identify the bleeding point, clear it by suction and deal with it either by nasal packing or cautery

Includes

- Hard plastic head with soft nasal area
- Control box and 9v battery
- 10ml syringes (4)
- 50ml syringe (1)
- **AR204 BLOOD CONCENTRATE**
- Instruction manual



AR361 RHINOPLASTY SKILLS TRAINER

Developed in conjunction with **David Willatt Consultant ENT Surgeon** at Hope Hospital, Salford. This unique model has been designed for both cosmetic and functional Rhinoplasty courses.

The nose is the most defining feature of the face and altering its size or shape can result in a dramatic improvement in appearance.

Rhinoplasty surgery is a common but complex surgical procedure designed to change the shape and/or the size of the nose (cosmetic Rhinoplasty), or to improve the nasal airway (functional Rhinoplasty). Often Rhinoplasty surgery encompasses both of these elements.

Features



Life size head - weighted to provide stability during practice



Simple to replace nasal insert



The thermolabile cartilage can be shaped with a hot air blower to simulate a number of nasal deformities upon which surgery can be simulated



The material used in the nasal insert as the cartilage can be cut to form spreader grafts of appropriate length and width



See our website for product video



Skills

- Teaching Rhinoplasty skills
- Open and closed Rhinoplasty
- Teaching anatomy
- Cosmetic surgery
- Straightening and improving nose structure
- Restructuring and remodelling the nose, particularly a broken nose

Includes

- Head
- Nasal insert, cartilage and cover
- Product DVD

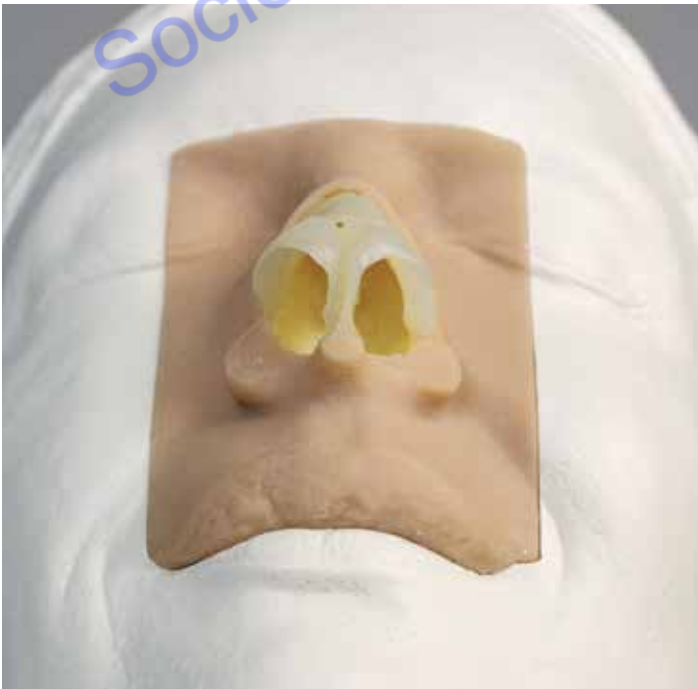
Replacement Part

AR362 NASAL INSERTS, COVERS AND CARTILAGES (3)





Sociedad Radiotécnica Ecuatoriana



AR60 AMNIO ABBY® - ULTRASOUND GUIDED INVASIVE PROCEDURES SIMULATOR











Developed in collaboration with **Dr Graham Tydeman**, Consultant in Obstetrics and Gynaecology - NHS Fife, **Professor Andy Shennan** - Professor of Obstetrics, and **Dr Annette Briley** - Consultant Midwife, Clinical Trial Manager, Maternal and Fetal Research Unit, Guy's and St Thomas' Hospital, the **Amnio Abby®** simulator has been designed to enhance training in **ultrasound guided amniocentesis** and **chorionic villus sampling (CVS)**.

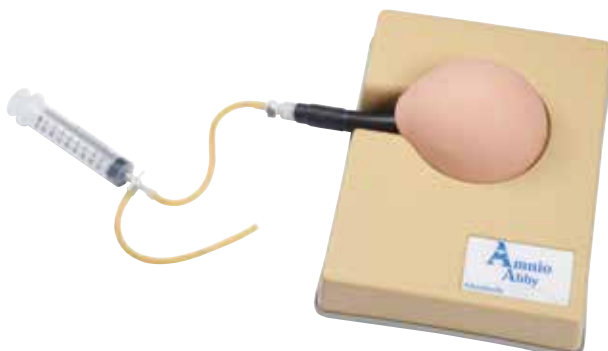
As Non-invasive Prenatal Testing (NIPT) becomes more common, Amnio Abby® enables clinicians to practice the skills and dexterity required for invasive procedures in a safe, controlled manner.

Using our expertise in material innovation and anatomical accuracy, the simulator has been designed to give a highly realistic sonographic representation of a pregnant mother's abdomen at 15 week gestation.

To enhance training scenarios the simulator includes two abdominal wall layers to simulate patients with increased Body Mass Index (BMI), variable amniotic liquor volume and separate placenta to ensure competency and help increase required skill levels.

Features

-  Easy to use, minimal maintenance
-  Highly realistic sonographic image
-  15 week size fetus with umbilical cord insertion
-  Amniotic sac which may be punctured several times to allow for a number of invasive procedures to be simulated before replacement
-  Variable amniotic fluid volume allowing for training to be tailored for easy or difficult procedures
-  Separate placenta for posterior or anterior placement, to allow for transplacental scenarios as well as chorionic villus sampling (CVS) procedures
-  Two abdominal layers to allow for simulation of patients with a higher BMI
-  See our website for product video



AR60 Amnio Abby®

Skills

- A range of easy and more difficult procedures can be experienced by varying fetal position, abdominal layers, amniotic fluid volume and placental position enhancing simulation for both new trainees and experienced clinicians
- Visualisation under ultrasound of key anatomical structures including abdominal wall, placenta, fetus, umbilical cord and amniotic fluid
- Identification of a suitable needle entry point in the simulated abdomen
- Monitoring of the needle path under real-time ultrasound guidance
- Successful withdrawal of an amniotic fluid sample
- Transplacental needle approach simulation (via placement of the placenta and adjustment of the amniotic volume)
- Chorionic villus sampling (CVS) procedures
- Clinical planning and team work before, during and after invasive procedures
- Patient communication



Variable Amniotic Fluid Liquor Volume



Separate placenta for easy/difficult and transplacental scenarios



Two abdominal wall layers to simulate patients with higher BMI



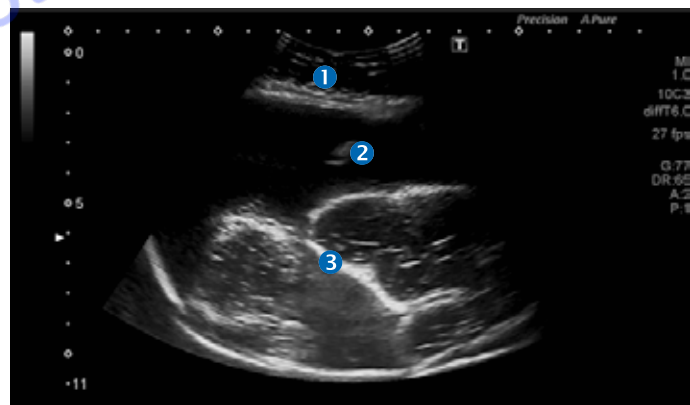
Realistic feel and sonographic experience

Supplementing Invasive Procedures Competency

- As Non-invasive Prenatal Testing (NIPT) and other techniques reduce the need for amniocentesis and other ultrasound guided diagnostic procedures, trainees and operator skills can be enhanced using this realistic simulator
- To remain proficient, guidelines state "competency should be maintained by carrying out at least 30 ultrasound guided invasive procedures per annum"¹
- Amnio Abby® can help operators to have sufficient confidence to perform more advanced techniques such as cordocentesis and intrafetal procedures that will continue to be required even with the decline in diagnostic invasive tests

Includes

- Base
- 2 abdominal layers
- Fetal sac with 15 week-old sized fetus and umbilical cord
- Separate placenta
- Sac filling syringe and tubing
- Carrying case



Ultrasound Image Example: "Easy Amniocentesis" with single abdominal wall layer and normal liquor volume

- ① Abdominal wall layer
- ② Echo Needle Tip
- ③ Fetus

Replacement Part

SPAR60 SIMULATED FETAL SAC & FETUS

Guy's and St Thomas' **NHS**
NHS Foundation Trust

NHS
Fife

Tommy's
Registered charity no 1060508

¹ Professor Z Alfirevic FRCOG, Mr SA Walkinshaw FRCOG and Professor MD Kilby FRCOG. (2010). **Amniocentesis and Chorionic Villus Sampling, Green-top Guideline No. 8.** London. Royal College of Obstetricians and Gynaecologists, pp. 5 - 6

AR50S OBSTETRIC PHANTOM WITH FETAL DOLL

AR50S-B OBSTETRIC PHANTOM WITH FETAL DOLL, BLACK

Features



Based on a female pelvis, this life size model features all the relevant landmarks



The vulva will stretch during the delivery procedure, and afterwards will return to its original form



Simple to set up and use



Highly durable



See our website for product video

Skills

- The fetal doll can be placed in the model in various positions, to enable the student to practise palpation through the abdominal wall
- Different birth positions can be demonstrated
- Includes fetal doll **AR75**

Includes

- **AR50S/AR50S-B OBSTETRIC PHANTOM**
- **AR75/AR75S-B FETAL DOLL**
- Lubricant
- Instruction manual

Optional extras

AR74 FETAL DOLL, WHITE

AR74-B FETAL DOLL, BLACK

AR51 FETAL DOLL, WHITE

AR51-B FETAL DOLL, BLACK



Obstetric Phantom used as part of the Liverpool School of Tropical Medicine Making it Happen (MiH) Programme, which aims to reduce maternal and newborn mortality (www.mnhu.org). Shown here in use in Pakistan. Image courtesy of Kristian Godfrey.



AR50S Obstetric Phantom With Fetal Doll, White



AR50S-B Obstetric Phantom With Fetal Doll, Black



AR57 OBSTETRIC PHANTOM SET, WHITE AR57-B OBSTETRIC PHANTOM SET, BLACK

Features



Based on a female pelvis, this life size model features all the relevant landmarks



The vulva will stretch during the delivery procedure, and afterwards will return to its original form



Simple to set up and use



Highly durable



AR55 Fetal doll with four interchangeable heads to demonstrate different fetal head presentations



AR75 Fetal doll with unique head joint which allows head to flex and rotate



AR35 Female pelvis to aid visual understanding of different delivery presentations



See our website for product video



Skills

- Our most popular set for delivery practice
- The fetal doll can be placed in the model in various positions, to enable the student to practise palpation through the abdominal wall
- Different birth positions can be demonstrated

Includes

- **AR50S/AR50S-B OBSTETRIC PHANTOM**
- **AR75/AR75S-B FETAL DOLL**
- **AR55/AR55-B FETAL DOLL WITH FOUR INTERCHANGEABLE HEADS (see page 48)**
- **AR35 FEMALE PELVIS**
- Lubricant
- Instruction manual

Optional extras

- AR74 FETAL DOLL, WHITE**
- AR74-B FETAL DOLL, BLACK**
- AR51 FETAL DOLL, WHITE**
- AR51-B FETAL DOLL, BLACK**



AR58 DESPERATE DEBRA® - IMPACTED FETAL HEAD SIMULATOR



Developed in collaboration with **Dr Graham Tydeman**, Consultant in Obstetrics and Gynaecology - NHS Fife, Professor **Andy Shennan** - Professor of Obstetrics, and **Dr Annette Briley** - Consultant Midwife, Clinical Trial Manager, Maternal and Fetal Research Unit, Guy's and St Thomas' Hospital, the Desperate Debra® simulator has been designed to facilitate the training and implementation of correct clinical procedures when confronted with impaction of the fetal head - a serious and potentially life threatening event.

Obstetrics has taken the lead in reducing the number of perinatal and neonatal complications by developing emergency drills for major events such as shoulder dystocia and breech delivery using simulators. Until now, however, no simulator has previously been available for training in dealing with an impacted fetal head.

Features



Easy to set up, operate and maintain



Highly realistic vaginal examination and fetal head extraction



Palpable fontanelles in fetal head



Variable degrees of difficulty/fetal head impaction



Adjustable fetal head flexion and asynclitism



See our website for product video

Skills

- The Desperate Debra® model simulates the abdomen, uterus and fetus of a birthing mother with a mechanism to replicate an impacted fetal head
- Vaginal examination in advanced labour
- Identification of fetal head position with palpable fontanelles, variable degrees of flexion and asynclitism
- Successful delivery of an impacted fetal head at caesarean section with adjustable degrees of difficulty



AR58 Desperate Debra®

Improving Training, Reducing Morbidity

- The Desperate Debra® simulator will allow for the development of emergency procedures, increase awareness and refine practices for current professionals as well as introducing the issue and ensuring confidence amongst trainees

70% Experience Rate

- 70% of surgeons in a survey group have had personal experience of difficulty in delivering an impacted fetal head at caesarean section
- 80% of those in the survey group had encountered serious maternal or fetal/neonatal morbidities associated with difficulties in delivery of an impacted head

20,000 Birth Per Year Potential

- Many obstetricians first encounter impaction of the fetal head while in training, often at night without immediate access to senior help
- There are currently no figures for the exact incidence rate, but with around 200,000 caesarean sections in the UK each year with about 10% at full dilation, there is a potential for it to affect around 20,000 births per year

Increasing Incidences

- NICE states that women diagnosed with failure to progress in the first stage of labour should receive intravenous syntocinon prior to a decision to deliver by caesarean section
- This means that increasingly, women who fail to deliver vaginally are undergoing caesarean section in the late first and second stage of labour, when difficulty in delivering the impacted fetal head is most commonly reported
- Average maternal Body Mass Index (BMI) is also increasing. Pregnant women with high BMIs are more likely to have labour induced or augmented, an increased rate of caesarean section in the late first and second stage of labour and the intrapartum complications with impaction of the fetal head

Includes

- Desperate Debra® simulator mounted on base with straps
- Lubricant
- Instruction Manual
- Product DVD
- Carrying case with wheels for easy transportation



Vaginal examination



Gaining access below the head



Disimpacting the head from the pelvis



Successful delivery of fetal head



Fetal head position indicators



Impaction difficulty adjustment

Guy's and St Thomas' **NHS**
NHS Foundation Trust

NHS
Fife

Tommy's
Registered charity no 1060508

Features in the Royal College of Obstetricians & Gynaecologists
Operative Birth Simulation Training Course (ROBuST)

AR55 FETAL DOLL WITH FOUR INTERCHANGEABLE HEADS, WHITE

AR55-B FETAL DOLL WITH FOUR INTERCHANGEABLE HEADS, BLACK

Features



Realistic doll may be used on its own or with our **AR50S OBSTETRIC PHANTOM** or **AR35 FEMALE PELVIS**



Each head has an easy 'click-in' attachment to the doll, which allows 90 degree left and right rotation of the head



Four included heads demonstrate different fetal head presentations:

- 1 Occipito-posterior
- 2 Occipito-anterior
- 3 Brow
- 4 Face



See our website for product video



AR35 FEMALE PELVIS

Features

- Cast from life in high quality plastic
- Based on a European natural bone pelvis
- Can be used in conjunction with all our **FETAL DOLLS** to aid visual understanding of different delivery presentations
- With fifth lumbar vertebra
- Flexible coccyx



AR312 EPISIOTOMY SUTURING/PERINEAL REPAIR TRAINER**Features**

Accurate, life size anatomy with all relevant landmarks



Improved material gives highly realistic feedback during suturing



Open rectum for digital assessment and verification that the bowel has not been sutured



Suited to deep muscle, subcutaneous and superficial suturing techniques



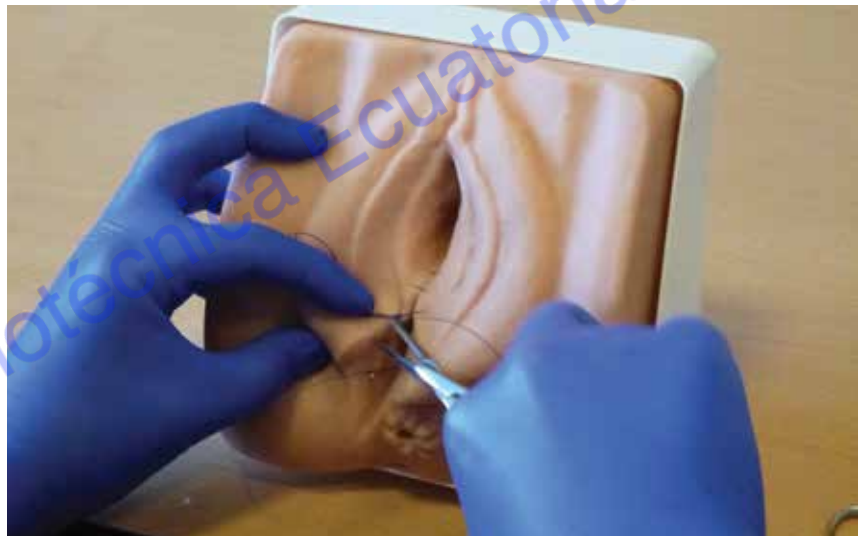
Reinforced layer allows for repeated procedures to be performed



Suction feet for easy, stable securement to work surface

**Skills**

- Repair of a right mediolateral incision
- Handling and knot tying



Suited to a range of suturing techniques



Digital rectal examination to verify bowel has not been stitched

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