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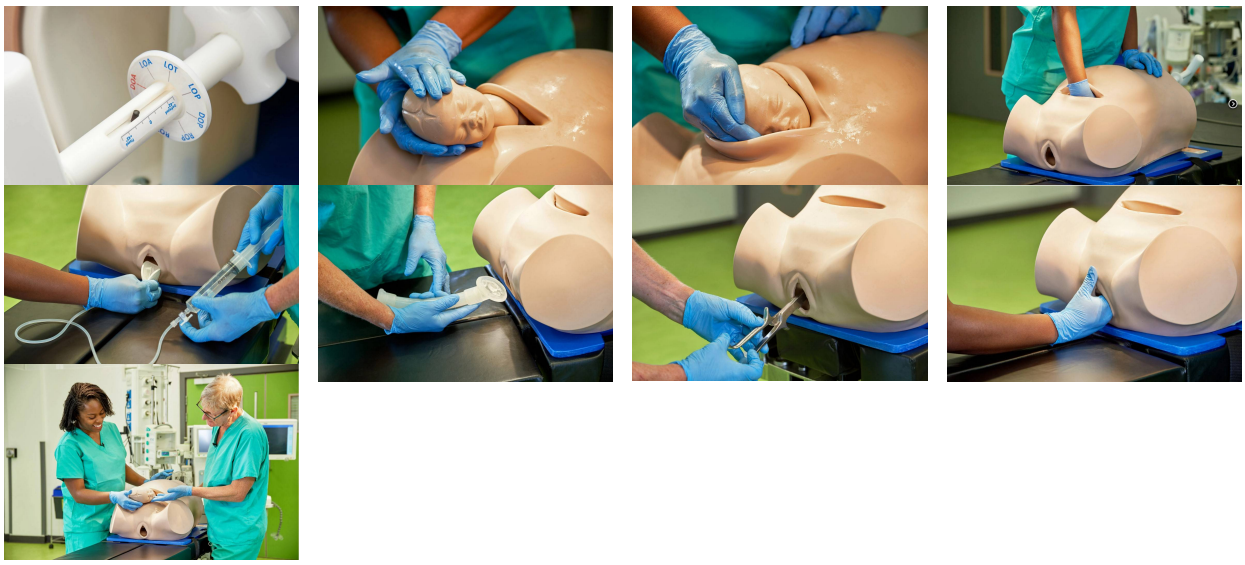
Debra Enhanced® - Impacted Fetal Head Simulator, Light

Item No.	AR68
Weight	
Make:	Adam, Rouilly Limited, UK

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SKU:

Categories: Obstetrics



Product Description

Adam,Rouilly's Debra Enhanced® - Impacted Fetal Head Simulator - an improved simulation model developed with clinicians for the teaching of vital skills for what to do when a baby's head becomes lodged deep in the mother's pelvis during labour. Debra Enhanced was initially invented 10 years ago in collaboration with Dr Graham Tydeman, Professor Andy Shennan & Dr Annette Briley.

Introduction

Adam,Rouilly has worked with leading clinicians to develop an improved late-stage emergency caesarean simulation model to enable clinical teams to learn and practice what to do when a baby's head becomes lodged deep in the mother's pelvis during labour. Debra Enhanced® – Impacted Fetal Head Simulator has been designed to teach vital skills which can help reduce the risk to mothers and babies during caesarean births. It has been designed as a multi-disciplinary teaching tool to ensure the whole team is equipped with the skills, knowledge and confidence to release an Impacted Fetal Head (IFH). Debra Enhanced® – Impacted Fetal Head (IFH) simulator was initially invented 10 years ago in collaboration with Dr Graham Tydeman, Consultant in Obstetrics and Gynaecology – NHS Fife, Professor Andy Shennan OBE – Tommy's Chair in Maternal and Fetal Health and Dr Annette Briley – Professor of Women's Health & Midwifery Research, Flinders University and Northern Adelaide Local Health Network, South Australia. The original trainer ignited the topic of IFH to inspire global conversations about training for this emergency, best practice techniques and devices to ensure positive maternal and neonatal outcomes. The model was the first teaching aid of its kind and allowed for the realistic simulation of IFH. Now, we have collaborated again with the clinical team to enhance the model so that it is compatible with the latest prescribed techniques and fetal head elevation devices whilst providing an even more lifelike training experience.

Skills

- Encourages multi-disciplinary team scenario training (obstetricians, midwives, anaesthetists) in the management of an impacted fetal head at full dilation caesarean section
- Highly realistic vaginal examination in advanced labour
- Identification of fetal head position with palpable fontanelles and suture lines
- Use of manual push up techniques
- Supports the use of fetal head elevation devices, e.g. Tydeman® Tube or balloon inflation devices
- Use of inflatable fetal head elevation type delivery assistance devices
- Enables training in the use of forceps insertion and failed forceps delivery simulation (Vaginal delivery of the head is not possible)
- Successful delivery of an impacted fetal head at caesarean section with adjustable degrees of difficulty
- General introduction to caesarean section and fetal head delivery

Features

- Debra Enhanced® simulates a realistic pregnant abdomen with a pre-cut caesarean incision,

uterus and fetal head of a birthing mother with a unique mechanism to replicate fetal head impaction:

- Enhanced, more realistic vaginal examination
- Enhanced, palpable fontanelles and suture lines in fetal head
- Variable degrees of fetal head impaction severity
- Adjustable fetal head flexion and asynclitism
- Enables training in the use of forceps insertion and failed forceps delivery simulation (Vaginal delivery of the head is not possible)
- Compatible with manual push from below delivery methods
- Supports the use of fetal head elevation devices, e.g. Tydeman® Tube or balloon inflation devices
- Available in both dark and light skin tones
- Designed and manufactured in the United Kingdom

Increasing Incedences

- The rate of caesarean (CS) section has increased, with CS at full dilatation almost doubling in the last two decades. A comparison of techniques to disimpact the fetal head on a second stage caesarean Simulator – Anastasia Martin, Diane Nzelu, Annette Briley, Graham Tydeman and Andrew Shennan.
- A 2019 study at one UK hospital found that 17% of births were by delivered emergency CS, with difficulty delivering the head affecting 20% of emergency CS and 63% and full dilatation. A comparison of techniques to disimpact the fetal head on a second stage caesarean Simulator – Anastasia Martin, Diane Nzelu, Annette Briley, Graham Tydeman and Andrew Shennan.

Improving Outcomes

- Studies have demonstrated that training with a Debra simulator can reduce the force used for successful delivery, potentially improving outcomes for both mother and baby. Caesarean section at full dilatation: incidence, impact and current management – Nicola Vousden MBBS BSc,, Zillah Cargill BSc, Annette Briley MSc, Graham Tydeman MRCOG, Andrew H Shennan MD FRCOG.

Integral Training Simulator

- Impacted Fetal Head now forms key parts of the of Royal College of Obstetricians and Gynaecologists Avoiding Brain Injuries in Childbirth (ABC) programme and RCOG Operative Birth Simulation Training Course (ROBuST)
- 93% of experienced participants and 94% of junior obstetricians deemed the Debra simulator “very useful” as a training device following use in a training group. Assessment of a Full Dilatation Caesarean Delivery Simulator – Nicola Vousden, MBBS, BSc, Zoya Hamakarim, MBBS, BSc,

Annette Briley, PhD, MSc, Joanna Girling, FRCOG, Paul T. Seed, Msc, CSTAT, Graham Tydeman, FRCOG, and Andrew H. Shennan, MD, FRCOG.

2 Year Guarantee

- This model, manufactured by Adam,Rouilly, comes with a 2 Year Guarantee
- This guarantee applies to models which have been used correctly and covers durability and functionality

Includes

- Debra Enhanced® simulator mounted on a base with straps
- Extension strap set for wider hospital beds
- Lubricant
- Instruction Manual
- Carry case with wheels for easy transportation

Cleaning

- Once training is finished, wipe off any excess lubricant from the fetal head, uterus and birth canal
- The model may be flushed with warm water to remove remaining ultrasound gel if required
- Do not use soap, detergents or any other chemical cleaners to clean the model

Important

- The model has been designed for use solely with ultrasound gel
- Do not use any other lubricant as it may damage the model and invalidate your guarantee
- Never use the model without first applying ultrasound gel to the fetal head, uterus and birth canal
- Do not allow the model to dry out during use; re-apply lubricant as necessary
- Non-lubricated use will damage the model
- Note that the model weighs 15kg
- Forceps may be inserted vaginally into the model to simulate a failed forceps delivery. Attempting to do so may damage the model and invalidate your guarantee
- Vaginal delivery of the head is not possible. Attempting to do so may damage the model and invalidate your guarantee
- After use, the fetal head must remain extracted and outside the caesarean opening

Debra Enhanced® – Impacted Fetal Head Simulator, Light (AR68)

Adam Rouilly's Debra Enhanced® Impacted Fetal Head Simulator (Item No. AR68, 15 kg) is an

improved simulation model developed with clinicians for teaching the vital skills needed when a baby's head becomes lodged deep in the mother's pelvis during labour.

Developed by leading clinicians for a genuine training gap. Adam Rouilly worked with leading clinicians to develop this late-stage emergency caesarean simulation model, enabling clinical teams to learn and practice managing an impacted fetal head — designed as a multi-disciplinary teaching tool equipping the whole team with the skills, knowledge, and confidence to release an Impacted Fetal Head (IFH).

A decade of clinical development. Debra Enhanced® was initially invented 10 years ago in collaboration with Dr Graham Tydeman (Consultant in Obstetrics and Gynaecology, NHS Fife), Professor Andy Shennan OBE (Tommy's Chair in Maternal and Fetal Health), and Dr Annette Briley (Professor of Women's Health & Midwifery Research, Flinders University). The original trainer was the first teaching aid of its kind, sparking global conversations about IFH training and best practice. The enhanced model reflects renewed collaboration with the clinical team to support the latest prescribed techniques and fetal head elevation devices.

Comprehensive multi-disciplinary training skills, including realistic vaginal examination in advanced labour, identification of fetal head position via palpable fontanelles and suture lines, manual push-up techniques, use of fetal head elevation devices (such as the Tydeman® Tube or balloon inflation devices), forceps insertion and failed forceps delivery simulation, and successful delivery of an impacted fetal head at caesarean section with adjustable degrees of difficulty.

Enhanced realism throughout, featuring a realistic pregnant abdomen with pre-cut caesarean incision, uterus, and fetal head; enhanced palpable fontanelles and suture lines; variable degrees of fetal head impaction severity; and adjustable fetal head flexion and asynclitism. Available in both dark and light skin tones. Designed and manufactured in the United Kingdom.

Addressing a growing clinical need. Caesarean section rates at full dilatation have nearly doubled over the last two decades, with one 2019 UK hospital study finding that 17% of births were delivered by emergency CS, and difficulty delivering the head affecting 20% of emergency CS cases and 63% at full dilatation.

A proven, well-validated training tool. Studies have shown training with a Debra simulator can reduce the force required for successful delivery, potentially improving outcomes for both mother and baby. Impacted Fetal Head training now forms a key part of the Royal College of Obstetricians and Gynaecologists' Avoiding Brain Injuries in Childbirth (ABC) programme and the ROBuST course, with 93% of experienced participants and 94% of junior obstetricians rating the Debra simulator "very useful."

Comes complete with: the Debra Enhanced® simulator mounted on a base with straps, an extension strap set for wider hospital beds, lubricant, an instruction manual, and a wheeled carry case for easy transportation.

Important care notes: the model is designed for use solely with ultrasound gel — no other lubricant should be used, as it may damage the model and invalidate the guarantee. Vaginal delivery of the fetal head is not possible and should not be attempted. Backed by a 2-year guarantee covering durability and functionality for models used correctly.

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorised distributor of Adam Rouilly products in India with over 30 years of experience supplying medical education resources to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: What skills does this simulator train? A: Multi-disciplinary management of an impacted fetal head at full dilatation caesarean section, including vaginal examination, fetal head positioning, manual push-up techniques, fetal head elevation devices, and forceps delivery simulation.

Q: What lubricant should be used? A: Ultrasound gel only — other lubricants may damage the model and void the guarantee.

Q: What's the warranty? A: A 2-year guarantee covering durability and functionality for models used correctly.

Contact us at sem@semtrainers.com or call +91-88495 63724 for pricing and availability.

Manufacturer

Adam,Rouilly