

# Adam, Rouilly

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## AR58 DESPERATE DEBRA® - IMPACTED FETAL HEAD SIMULATOR

Product Leaflet



Guy's and St Thomas'   
NHS Foundation Trust

  
Fife

**Tommy's**  
Registered charity no 1060508

## 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



Scan the QR code to access the product video  
<https://youtu.be/whifKQkeBfU>



AR58 Desperate Debra®

### 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



## 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

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



## 2 Year Guarantee

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



# Adam,Rouilly

As part of our policy of continual product development, the specification of products may alter without prior notice.

Adam,Rouilly has over 100 year's experience in providing quality medical models and simulators.

Should you require any further information please contact our Sales Department who will be pleased to help with your enquiry.

Adam,Rouilly Limited  
Castle Road  
Eurolink Business Park  
Sittingbourne  
Kent  
United Kingdom  
ME10 3AG

T: +44(0)1795 471378  
F: +44(0)1795 479787  
E: [sales@adam-rouilly.co.uk](mailto:sales@adam-rouilly.co.uk)  
[www.adam-rouilly.co.uk](http://www.adam-rouilly.co.uk)