



The national system to study the surgical management of a range of neonatal conditions – enabling national audit in neonatal surgery

Preliminary results from the Necrotising Enterocolitis (NEC) study (as presented at the recent BAPS Annual Congress in Cardiff)

The BAPS-CASS NEC study finished recruiting in February 2014 and the preliminary results from the index admission were presented in the prize session at this year's BAPS congress. Two hundred and thirty six infants were recruited, 59% of whom were born prior to 28 completed weeks of gestation. Two hundred and twenty four infants underwent an emergency laparotomy, 55% of whom underwent bowel resection and stoma formation. Eighteen percent of infants had died prior to 28 days post intervention, whilst only three percent had been discharged home.

Infants who underwent the clip and drop procedure with bowel resection had a significantly higher 28-day mortality than those who underwent resection and primary anastomosis (adjusted odds ratio 21.38, 95% CI 2.98-153.5, $p=0.002$). This is likely to be a reflection of the underlying disease severity but may be useful to aid parent counselling.

The final analysis of the birth outcome data is almost completed, following which we will be analysing the one-year outcomes of the cohort. If you have any one-year outcome forms you have yet to complete, please send them back to the BAPS-CASS admin team as soon as possible so that we can have as robust follow-up data as possible.

Reference: A nationwide Cohort study describing management and outcomes in infants with Necrotising Enterocolitis in whom surgical intervention has been deemed necessary. Benjamin Allin, Anna-May Long, Amit Gupta, Marian Knight, Kokila Lakhoo on behalf of BAPS-CASS.

AIMES: Assessing the Long-term Impact of Early Surgical Care in Children Born with Abdominal Wall Defects

This study is due to start data collection shortly so we will be in touch with all the centre leads very soon!



Chocolate Box

Chocolates this month go to
Mr Ashok Rajimwale from Leicester Royal
Infirmary for prompt return of report cards and
data collection forms for the PUV study.

Many thanks from the BAPS-CASS team!

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Thanks to the following hospitals who have returned **Exomphalos** cards for the last three months (March, April and May 2015):

Addenbrooke's Hospital, Cambridge
 Alder Hey Children's Hospital, Liverpool
 Birmingham Children's Hospital, Birmingham
 Edinburgh Royal Hospital for Sick Children, Edinburgh
 Evelina Children's Hospital, London
 Great Ormond Street Hospital for Sick Children, London
 Hull Royal Infirmary, Hull
 John Radcliffe Hospital, Oxford
 King's College Hospital, London
 Leeds General Infirmary, Leeds
 Leicester Royal Infirmary, Leicester
 Royal Alexandra Children's Hospital, Brighton
 Royal Belfast Hospital for Sick Children, Belfast
 Royal London Hospital, London

Southampton General, Southampton
 St George's Hospital, London
 The Children's University Hospital, Dublin 1
 Bristol Royal Hospital for Children, Bristol
 Our Lady's Hospital for Sick Children, Dublin 12
 Royal Aberdeen Children's Hospital, Aberdeen
 Royal Manchester Children's Hospital, Manchester
 University Hospital of Wales, Cardiff
 Norfolk & Norwich University Hospital, Norwich
 Queen's Medical Centre, Nottingham
 Royal Victoria Infirmary, Newcastle-upon-Tyne
 Chelsea and Westminster Hospital, London
 Glasgow Royal Hospital for Sick Children, Glasgow
 Sheffield Children's Hospital, Sheffield

Thanks to the following hospitals who have returned **Posterior Urethral Valves** cards for the last three months (March, April and May 2015):

Addenbrooke's Hospital, Cambridge
 Alder Hey Children's Hospital, Liverpool
 Birmingham Children's Hospital, Birmingham
 Bristol Royal Hospital for Children, Bristol
 Edinburgh Royal Hospital for Sick Children, Edinburgh
 Hull Royal Infirmary, Hull
 Leicester Royal Infirmary, Leicester
 Norfolk & Norwich University Hospital, Norwich
 Royal Manchester Children's Hospital, Manchester
 Sheffield Children's Hospital, Sheffield
 St George's Hospital, London
 The Children's University Hospital, Dublin 1
 Evelina Children's Hospital, London

Glasgow Royal Hospital for Sick Children, Glasgow
 John Radcliffe Hospital, Oxford
 Leeds General Infirmary, Leeds
 Our Lady's Hospital for Sick Children, Dublin 12
 Royal Aberdeen Children's Hospital, Aberdeen
 Royal Alexandra Children's Hospital, Brighton
 Royal Belfast Hospital for Sick Children, Belfast
 Queen's Medical Centre, Nottingham
 Royal London Hospital, London
 Royal Victoria Infirmary, Newcastle-upon-Tyne
 University Hospital of Wales, Cardiff
 Great Ormond Street Hospital for Sick Children*
 Southampton General, Southampton

Returned all three cards. Returned two cards. Returned one card. No Cards Returned.

* No cards ever returned

Case report summary for cases reported up until July 2015

CONDITION	Cases Reported	Forms returned (%)
Exomphalos	98	69 (70)
Meconium Ileus	104	87 (84)
Meconium Ileus 1yr Forms	67	42 (63)
Necrotising Enterocolitis	321	288 (90)
Necrotising Enterocolitis 1yr Forms	187	149 (80)
Posterior Urethral Valves	86	55 (64)



GMC Revalidation

We are aware that as part of your GMC revalidation you are required to provide evidence of participation in national audit and research.

If you would like to receive a certificate confirming your contribution to BAPS-CASS, please email us at baps-cass@npeu.ox.ac.uk and we will get one sent out to you.