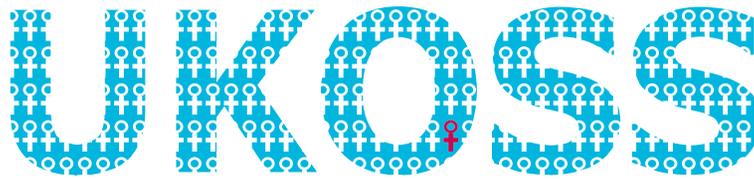




Royal College of
Obstetricians and
Gynaecologists



UK Obstetric Surveillance System



Newsletter 26: July 2011

New published results – Specific therapies for PPH

Full results of the UKOSS specific therapies for postpartum haemorrhage study were published in BJOG in June. Overall, 272 women were identified who were managed with either uterine compression sutures, pelvic vessel ligation, interventional radiology or factor VIIa. In 75% of women these therapies were used after uterotonic therapy alone; in the remaining 25% these therapies were used after failure of uterotonic therapy and failure of intrauterine balloon tamponade. Treatment was considered successful if there was no further treatment needed for PPH, including the use of hysterectomy, after the specific therapy had been used.

Where the therapy was used immediately following failed uterotonic therapy, uterine compression sutures were successful in 120 women (75%; 95% CI 67–81%), pelvic vessel ligation was successful in five women (36%; 95% CI 13–65%), interventional radiology was successful in 12 women (86%; 95% CI 57–98%) and factor VIIa was successful in five women (31%; 95% CI 11–59%). These success rates were not significantly different in women in whom intrauterine balloon tamponade had also failed.

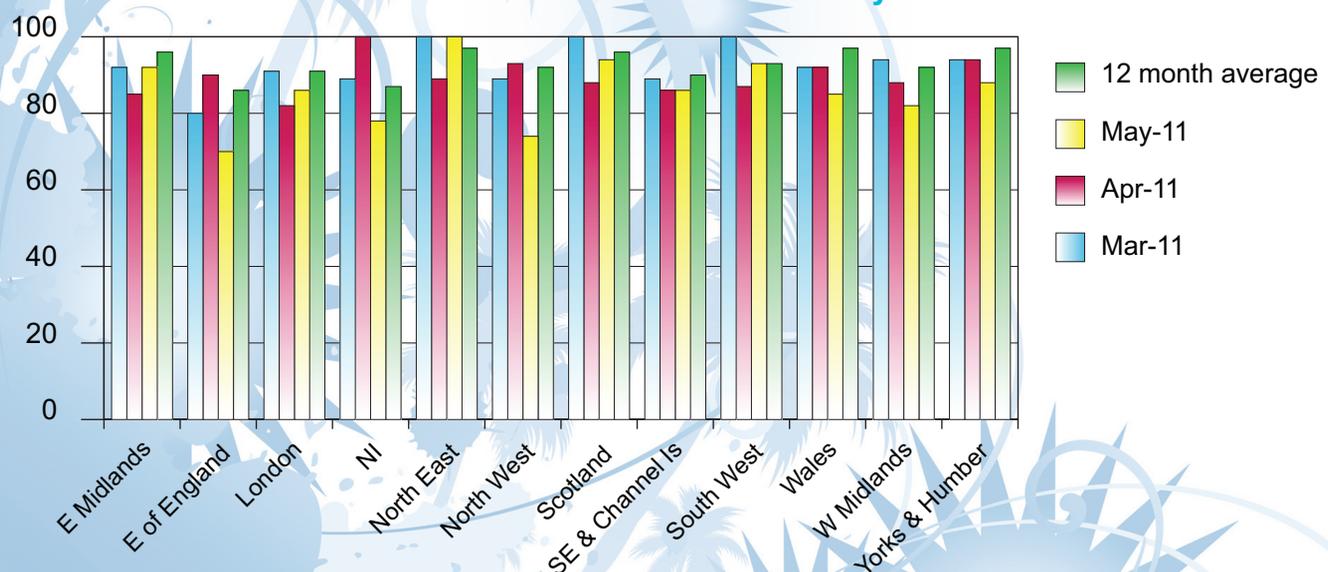
Thus uterine compression sutures and interventional radiological techniques had higher success rates than factor VIIa and pelvic vessel ligation, although it should be noted that the cases managed with factor VIIa and ligation tended to be more clinically complex. Overall, more than a quarter of women treated had a hysterectomy as a rescue therapy.

Reference:

Kayem G, et al. Specific second-line therapies for postpartum haemorrhage: a national cohort study. BJOG. 2011 Jun;118(7):856-64.

UKOSS Regional Card Return Rates

Card return rates March 2011 - May 2011



Thanks to the following hospitals who have returned cards for the last three months:

Aberdeen Maternity Hospital, Aberdeen
 Airedale General Hospital, Keighley
 Alexandra Hospital, Redditch
 Altnagalvin Area Hospital, Londonderry
 Antrim Hospital, Antrim
 Ayrshire Maternity Unit, Kilmarnock
 Barnet and Chase Farm Hospitals NHS Trust, Enfield
 Basildon Hospital, Basildon
 Bassetlaw District General Hospital, Worksop
 Birmingham City Hospital, Birmingham
 Birmingham Heartlands Hospital, Birmingham
 Birmingham Women's Hospital, Birmingham
 Borders General Hospital, Melrose
 Bradford Royal Infirmary, Bradford
 Bronglais Hospital, Aberystwyth
 Burnley General Hospital, Burnley
 Chelsea & Westminster Hospital, London
 Chesterfield & North Derbyshire Royal Hospital, Chesterfield
 City Hospitals Sunderland NHS Trust, Sunderland
 Colchester General Hospital, Colchester
 Conquest Hospital, St Leonards-on-Sea
 Countess of Chester Hospital, Chester
 Craigavon Area Hospital, Portadown
 Croydon University Hospital, Thornton Heath
 Cumberland Infirmary, Carlisle
 Darent Valley Hospital, Dartford
 Darlington Memorial Hospital, Darlington
 Derby Hospitals NHS Foundation Trust, Derby
 Dewsbury and District Hospital, Dewsbury
 Diana Princess of Wales Hospital, Grimsby
 Doncaster Royal Infirmary, Doncaster
 Dorset County Hospital, Dorchester
 Dr Gray's Hospital, Elgin
 Dumfries & Galloway Royal Infirmary, Dumfries
 Ealing Hospital, London
 Eastbourne District General Hospital, Eastbourne
 Erne Hospital, Enniskillen
 Fairfield General Hospital, Bury
 Forth Park Hospital, Kirkcaldy
 Friarage Hospital, Northallerton
 Frimley Park Hospital, Camberley
 Furness General Hospital, Barrow-in-Furness
 George Eliot Hospital, Nuneaton
 Glan Clwyd District General Hospital, Rhyl
 Good Hope Hospital, Sutton Coldfield
 Harrogate District Hospital, Harrogate
 Hereford County Hospital, Hereford
 Hillingdon Hospital, Uxbridge
 Homerton University Hospital, London
 Hope Hospital, Manchester
 Hull Royal Infirmary, Hull
 Ipswich Hospital, Ipswich
 James Cook University Hospital, Middlesbrough
 James Paget Hospital, Great Yarmouth
 Jersey General Hospital, St Helier
 John Radcliffe Hospital, Oxford
 Kettering General Hospital, Kettering
 King's College Hospital, London
 Leeds General Infirmary, Leeds
 Leicester General Hospital, Leicester
 Lincoln County Hospital, Lincoln
 Lister Hospital, Stevenage
 Macclesfield District General Hospital, Macclesfield
 Mater Infirmerum Hospital, Belfast
 Medway Maritime Hospital, Gillingham
 Milton Keynes General Hospital, Milton Keynes
 Nevill Hall Hospital, Abergavenny
 New Cross Hospital, Wolverhampton
 Ninewells Hospital & Medical School, Dundee
 Norfolk & Norwich University Hospital, Norwich
 North Devon District Hospital, Barnstaple
 North Manchester General Hospital,

Manchester
 North Middlesex Hospital, London
 Nottingham University Hospitals NHS Trust, Nottingham
 Pembury Hospital, Tunbridge Wells
 Peterborough City Hospital, Peterborough
 Pilgrim Hospital, Boston
 Pinderfields General Hospital, Wakefield
 Poole Hospital, Poole
 Prince Charles Hospital, Methyr Tydfil
 Princess Alexandra Hospital, Harlow
 Princess Anne Hospital, Southampton
 Princess Elizabeth Hospital, St Martins
 Princess of Wales Hospital, Bridgend
 Princess Royal University Hospital, Orpington
 Queen Alexandra Hospital, Portsmouth
 Queen Elizabeth Hospital, Gateshead
 Queen Elizabeth Hospital, Kings Lynn
 Queen Elizabeth the Queen Mother Hospital, Margate
 Queen's Hospital, Burton upon Trent
 Raigmore Hospital, Inverness
 Rochdale Infirmary, Rochdale
 Rosie Maternity Hospital, Cambridge
 Rotherham District General Hospital, Rotherham
 Royal Albert Edward Infirmary, Wigan
 Royal Alexandra Hospital, Paisley
 Royal Cornwall Hospital, Truro
 Royal Devon & Exeter Hospital, Exeter
 Royal Free Hospital, London
 Royal Hampshire County Hospital, Winchester
 Royal Lancaster Infirmary, Lancaster
 Royal Oldham Hospital, Oldham
 Royal Shrewsbury Hospital, Shrewsbury
 Royal Surrey County Hospital, Guildford
 Russells Hall Hospital, Dudley
 Salisbury District Hospital, Salisbury
 Scarborough Hospital, Scarborough
 Scunthorpe General Hospital, Scunthorpe
 Simpson Centre for Reproductive Health, Edinburgh
 Singleton Hospital, Swansea
 South Tyneside District Hospital, South Shields
 Southend Hospital, Westcliff-on-Sea
 Southern General Hospital, Glasgow
 Southmead Hospital, Bristol
 Southport & Ormskirk Hospital NHS Trust, Ormskirk
 St George's Hospital, London
 St Helier Hospital, Carshalton
 St James's University Hospital, Leeds
 St John's Hospital, Chelmsford
 St John's Unit at Howden, Livingston
 St Mary's Hospital, London
 St Mary's Hospital, Newport
 St Michael's Hospital, Bristol
 St Peter's Hospital, Chertsey
 Stepping Hill Hospital, Stockport
 Stirling Royal Infirmary, Stirling
 Stoke Mandeville Hospital, Aylesbury
 Taunton and Somerset Hospital, Taunton
 The Jessop Wing, Sheffield
 Torbay Hospital, Torquay
 Ulster Hospital, Belfast
 University College Hospital, London
 University Hospital Lewisham, London
 University Hospital of North Durham, Durham
 University Hospital of North Tees, Stockton-on-Tees
 University Hospital of Wales, Cardiff
 Victoria Hospital, Blackpool
 Wansbeck General Hospital, Ashington
 Warrington Hospital, Warrington
 Warwick Hospital, Warwick
 West Cumberland Hospital, Whitehaven
 West Middlesex University Hospital, Isleworth

West Suffolk Hospital, Bury St Edmunds
 West Wales General Hospital, Carmarthen
 Western Isles Hospital, Stornaway
 Wexham Park Hospital, Slough
 Whipps Cross University Trust Hospital, London
 Whiston Hospital, Prescot
 Whittington Hospital, London
 William Harvey Hospital, Ashford
 Wishaw General Hospital, Wishaw
 Withybush Hospital, Haverfordwest
 Worcestershire Royal Hospital, Worcester
 Worthing Hospital, Worthing
 Wrexham Maelor Hospital, Wrexham
 Yeovil Women's Hospital, Yeovil
 York Hospital, York
 Ysbyty Gwynedd District General Hospital, Bangor
 Arrowe Park Hospital, Wirral
 Bedford Hospital, Bedford
 Caithness General Hospital, Wick
 Calderdale Royal Hospital, Halifax
 Causeway Hospital, Coleraine
 Daisy Hill Hospital, Newry
 Derriford Hospital, Plymouth
 East Surrey Hospital, Redhill
 Epsom General Hospital, Epsom
 Gloucestershire Royal Hospital, Gloucester
 Horton Hospital, Banbury
 King George Hospital, Ilford
 King's Mill Hospital, Sutton in Ashfield
 Kingston Hospital, Kingston upon Thames
 Leighton Hospital, Crewe
 Liverpool Women's Hospital, Liverpool
 Luton & Dunstable Hospital, Luton
 Maidstone General Hospital, Maidstone
 Manor Hospital, Walsall
 Northwick Park Hospital, Harrow
 Nottingham City Hospital, Nottingham
 Princess Royal Hospital, Haywards Heath
 Queen Charlotte's and Chelsea Hospital, London
 Queen Elizabeth II Hospital, Welwyn Garden City
 Royal Berkshire Hospital, Reading
 Royal Bolton Hospital, Bolton
 Royal Glamorgan Hospital, Llantrisant
 Royal Jubilee Maternity Service, Belfast
 Royal London Hospital, London
 Royal Preston Hospital, Preston
 Royal United Hospital, Bath
 Royal Victoria Infirmary, Newcastle-upon-Tyne
 St Mary's Hospital, Manchester
 St Richard's Hospital, Chichester
 Staffordshire General Hospital, Stafford
 The Great Western Hospital, Swindon
 The Portland Hospital, London
 University Hospital of Coventry & Warwickshire, Coventry
 Watford General Hospital, Watford
 Wythenshawe Hospital, Manchester
 Guy's and St Thomas' Hospital, London
 Hinchingsbrooke Hospital, Huntingdon
 Leicester Royal Infirmary, Leicester
 Newham General Hospital, London
 Nobles Hospital, Douglas
 Northampton General Hospital, Northampton
 Princess Royal Maternity Hospital, Glasgow
 Queen Elizabeth Hospital, London
 Royal Sussex County Hospital, Brighton

Returned all three cards. Returned two cards. Returned one card.

New studies:

Severe Maternal Sepsis

Given the recent increase in maternal deaths and morbidity incidence in the general population due to sepsis, an understanding of the risk factors in the UK of obstetric sepsis morbidity before death occurs is needed to better target potential points of clinical intervention. The aim of this study, therefore, is to estimate the incidence of severe maternal sepsis in the UK, to investigate and quantify the associated risk factors, causative organisms, management and outcomes and to explore whether any factors are associated with poor outcomes.

Surveillance Period: June 2011- May 2013

Case definition: Any pregnant or recently pregnant woman (up to 6 weeks postpartum) diagnosed with severe sepsis (irrespective of the source of infection).

Report only cases diagnosed as having severe sepsis by a senior clinician.

A severe sepsis case would be expected to include women in one of the following groups:

1. Death related to infection or suspected infection
2. Any women requiring level 2 or level 3 critical care (or obstetric HDU type care) due to severe sepsis or suspected severe sepsis
3. A clinical diagnosis of severe sepsis.

As a guide clinical diagnosis of severe sepsis would usually be associated with 2 or more of the following:

- a) Temperature $>38^{\circ}\text{C}$ or $<36^{\circ}\text{C}$ measured on two occasions at least 4 hours apart
- b) Heart rate >100 beats/ minute measured on two occasions at least 4 hours apart
- c) Respiratory rate >20 / minute measured on two occasions at least 4 hours apart
- d) White cell count $>17 \times 10^9/\text{L}$ or $<4 \times 10^9/\text{L}$ or with $>10\%$ immature band forms, measured on two occasions.

Funding: This study is funded by the National Institute for Health Research (NIHR) as part of the UK Maternal Near-miss Surveillance Programme (UKNeS) (www.npeu.ox.ac.uk/uknes).*



Cardiac Arrest in Pregnancy

This study will investigate the incidence of maternal cardiac arrest and peri-arrest or perimortem caesarean section (PMCS,) assess outcomes and explore underlying causes. This information will be used to establish optimal management guidelines to improve survival of mother and infant.

Surveillance Period: July 2011- June 2014

Case definition: Any pregnant women in the UK identified as receiving basic life support (chest compressions and, where possible, ventilation breaths), including women who have undergone PMCS.

Funding: This study is funded by Wellbeing of Women.

Investigators: Virginia A. Beckett, Laura McCarthy, Bradford Teaching Hospitals NHS Trust
Paul Sharpe, University Hospitals of Leicester NHS Trust
Marian Knight, NPEU

Wellbeing of Women

Charity Registration No: 239281

Congratulations!

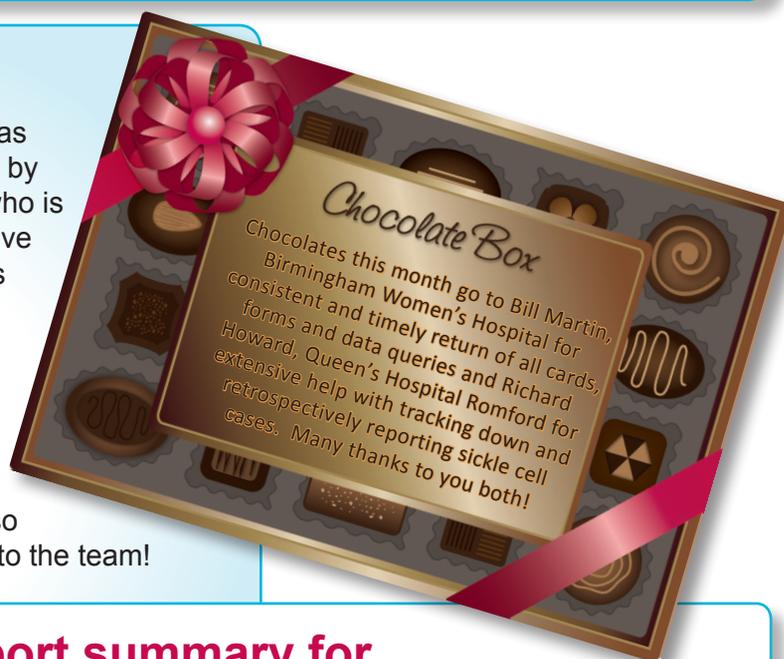


Our congratulations to Kate Fitzpatrick, epidemiologist on the UKNeS programme, who was recently awarded the prize for best oral presentation in the labour and delivery category at the recent Perinatal Medicine 2011 meeting, when she presented the results of the uterine rupture study. Congratulations also to Jo Cook, specialist registrar at Queen Charlotte's and Chelsea Hospital, who gave an excellent presentation of the multiple repeat caesarean section study results in the same session. Full study results coming soon!

Welcome!



The UKOSS team has recently been joined by Melanie Workman who is our new Administrative Assistant, and works alongside Dominika, Alex and Jane to process all UKOSS data prior to study analysis. Melanie has a background in midwifery and is already proving herself invaluable in dealing with clinical queries so we hope you will join us in welcoming her to the team!



Case report summary for current studies up until 13 June 2011

Disorder	Actual number of reported cases	Data collection forms returned (%)	Number of confirmed cases	Expected number of confirmed cases
Adrenal Tumours	5	2(40)	1(50)	5
Amniotic Fluid Embolism*	137	130 (95)	90 (70)	76
Aortic Dissection	11	10 (91)	5 (50)	84
Severe Obstetric Cholestasis	731	566 (77)	459 (83)	360
Myeloproliferative Disorders	29	20 (69)	15 (75)	71
Pregnancy in Non-renal Solid Organ Transplant Recipients	92	80 (87)	63 (80)	90
Pituitary Tumours	49	30 (61)	12 (44)	63
Placenta Accreta*	173	123 (71)	109 (89)	200
Pulmonary Vascular Disease	81	69 (85)	28 (41)	44
Sickle Cell Disease	120	99 (83)	83 (85)	250

Funding: *These sections of the newsletter represent independent research commissioned by the National Institute for Health Research (NIHR) under its Programme Grants for Applied Research Programme (Programme Grant RP-PG-0608-10038).

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