

Scottish Neonatal Stabilisation Course

Candidate Information



Promoting multiprofessional education and development for maternity care in Scotland

Introduction

This Scottish Neonatal Stabilisation course was developed under the auspices of the Scottish Neonatal Transport Service in collaboration with the Scottish Multiprofessional Maternity Development Programme (SMMDP).

Following the successful development of the Scottish Neonatal Resuscitation Course candidates, particularly from the remoter parts of Scotland, expressed a desire for further training in the care of a baby in a pre-transport situation. Even with a modern responsive neonatal transport service it can take 3-4 hours for the retrieval team to reach a referring unit. As described above the resultant course is therefore a combined initiative by senior neonatal professionals in Scotland from service and education and the SMMDP.

The course has been developed to provide standardised training for healthcare professionals working in community maternity care settings, including midwives, general practitioners, ambulance personnel, and accident and emergency unit staff. It prepares participants to offer safe and effective care of babies in the pre-transport period by giving them the theoretical basis and the opportunity to develop the practical skills that may be required. The knowledge and skills gained during the course will prepare participants to provide ongoing neonatal care following initial resuscitation and prior to transfer.

The course lasts one day and consists of lectures, skill stations, and problemsolving scenarios. There is no formal testing during or after the course; however, constructive feedback on individual performance will be given throughout the day. It is expected that the participant will comply with any recommendations for remedial learning or experience and it is the professional responsibility of all participants to maintain their competence in consultation with their managers if appropriate.

Successful completion of the requirements of the Scottish Neonatal Stabilisation Course does not guarantee ongoing competence in pre-transport care of the baby. This can only be assessed by senior/competent staff in the community maternity care settings in which the participants work.



Scottish Neonatal Stabilisation Course Course Descriptor

Course Title	Scottish Neonatal Stabilisation Course		
Pre-requisites Course Aim Course Learning Outcomes	 Scottish reconstant stabilisation course Prospective participants should note that it is mandatory to have successfully completed a standardised/recognised basic neonatal life support course within the previous 3 years. The participant's competence in neonatal life support skills is assumed. In addition, some lessons and skill stations have specific pre-requisites and participants should ensure that these are achieved prior to undertaking this course. The aim of the Scottish Neonatal Stabilisation Course is to provide participants with the knowledge and enhanced practical skills to competently manage the care of the baby during the pre-transport experience. On completion of the course, participants will be able to: Describe normal transition to extra uterine life Demonstrate an understanding of the unexpected problems of a baby in the first hours and days of life, detection of these and the immediate care required. Demonstrate safe performance of naso/oro-gastric tube insertion and aspiration. Administer milk feed via naso/oro gastric tube per instructions. Demonstrate safe performance of unbilical venous catheterisation and adhering to specific instructions/prescription administer intravenous fluids and drugs in a simulated situation. 		
Indicative content	 Principles of stabilisation Thermal control Unexpected problems, detection and care Respiratory management and O₂ delivery Recognition of shock Naso/oro-gastric tube insertion, aspiration and feeding. 		
	 Naso/oro-gastric tube insertion, aspiration and feeding Equipment used to support care/interventions in the stabilisation period Umbilical venous catheterisation Intravenous fluid requirements and intravenous fluid administration 		

	 Requirements for drugs and drug administration Communication and documentation 	
Teaching and Learning Strategies	Lectures Skills stations Problem-solving scenarios	
Individuals likely to benefit from undertaking the course	Admission to the course is open to health-care professionals working in community maternity care settings caring for babies in the first days of life.	
Minimum number of instructors to participants	1:6 plus an additional instructor for skill stations and scenarios.	
Course Instructors	Instructors must have completed a Scottish Generic Instructor Training Course or they have previous appropriate education training experience and are on the SMMDP database as an instructor. All instructors must comply with the SMMDP Code of Practice for Instructors. It is a requirement for this course that the majority of the training faculty are neonatal transport team members.	
Number of (Trainee) Instructors on a Course	Not more than 50%	



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Summary Programme

(Please note that these are approximate times and final sessions will be confirmed and circulated two weeks prior to the course being run)

Time	Content	Comments
08.30-09.00	Faculty Meeting	Faculty only
08.45 -09.00	Candidate Registration	
09.00-09.15	Welcome and overview of course	
09.15-09.45	Lecture 1: Introduction	
09.45-10.15	Lecture 2: Fetal-Newborn	
	Transition	

10:15-10.45 Tea/Coffee

Time	Content	Learning Outcome
10.45-11.15	Lecture 3: Shock and Circulatory Support	
11.15-12.00	Lecture 4: Neonatal Conditions	

12:00-12:45 Lunch

Time	Skills Practice		
35 mins per group	Naso/oro-gastric tube insertion	Umbilical Venous Catheterisation – Insertion and Securing	Thermal Control
	Fluid Calculation	Drugs Administration	Rectal Probe Insertion
12.45-13.20	A	В	С
13.20-13.55	В	С	A
13.55-14.30	С	А	В

14:30-14:45

Tea/Coffee

Time	Discussion Groups		
	Small Baby	Blue Baby	Pale Baby
14.45-15.15	А	В	С
15.15-15.45	В	С	А
15.45-16.15	С	A	В

16.15–16.30 Discussion, course evaluation and close

Recommended Reading

The essential Pre-course reading is to revise your Neonatal Resuscitation Course handbook.

Further background reading to support the course

- Baston H and Durward H 2010 Examination of the Newborn: A Practical Guide. 5th edition. London, Routledge, Chapter 6
- Boxwell, G. ed (2010) *Neonatal Intensive Care Nursing*, 2nd edition. London: Routledge. Relevant sections of chapters 3,4,5,6,10,11,12,13,15,17
- Fraser, D.M. and Cooper, M.A. eds (2009) Myles Textbook for Midwives.15th edition Edinburgh: Churchill Livingstone. Relevant sections of section 6 – The Newborn Baby, chapters 38-47.
- Henderson, C. and Macdonald, S. <u>eds</u> (2004) *Mayes' Midwifery. A Textbook* for *Midwives*. 13th edition, Edinburgh: Balliere Tindall. Relevant sections of Part 5 –The Newborn Baby, chapters 31-40.
- Moss S. Embleton and N. Fenton A (2005) Towards a safer neonatal transfer: the importance of critical incident review. Archives Disease Children 90 (7): 729-32
- Rennie, J.M. and Roberton, N.C.R. (2013) *A Manual of Neonatal Intensive Care. 5*th edition London: Arnold. Relevant sections of chapters 2,3,4,6,7,10, 11-14, 17,20, 22,25,33
- Cornette, L. Contemporary neonatal transport: problems and solutions. Arch Dis Child Fetal Neonatal Ed, 2004; 89: 212–214.
- Fenton A. C., Lesley A. and Skeoch C. H. Optimising neonatal transfer. Arch Dis Child Fetal Neonatal Ed, 2004; 89: 215–219.

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