**103/EXT/SCM**

**Neonatology**

**Module tutor:** Dr Jenny Ziprin / Dr Emma Porter / Dr Geraldine Ng

 Neonatal Unit

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**Reporting instructions:**

Meet Dr Jenny Ziprin in the ward clerk’s office on the neonatal unit, 4th floor of Queen Charlotte’s & Chelsea Hospital, Du Cane Road at 9.00am on 1st Monday morning of SCM (please confirm this arrangement by email in the previous week). Please note that you MUST contact Dr Ziprin well in advance, explaining why you have chosen this SCM and what you are specifically hoping to gain from it. The team will endeavour to match your clinical experience with your individual interests.

**Aims & Objectives:**

* Provide experience of neonatal medicine.
* Give an understanding of the extensive spectrum of care required, from education and reassurance of mothers with well newborns to the intensive care delivered for preterm babies at the borders of viability through to the sick term newborns.
* Provide insight into the holistic and multidisciplinary nature of the specialty.

**Learning outcomes:**

These will build on from those achieved during the 5th Year undergraduate experience.

1. To gain an understanding of the signs and symptoms of a sick newborn infant and the management thereof.
2. To be able to discuss the common conditions affecting the term infant and their possible long term implications.
3. To gain an understanding of the physiological consequences of being born prematurely and the common complications associated with it. Again with an understanding of the possible long term implications.
4. To appreciate the family centred approach of neonatology, understanding the hopes and fears of parents and the impact a sick infant can have on the whole family.
5. To understand the vital role of allied health professional within neonatal medicine.
6. To become confident in handling newborn babies on the postnatal wards and performing the newborn examination. To understand the care pathway of a newborn baby following discharge home.
7. To gain an understanding of the basic resuscitation steps taken at birth.
8. To gain an appreciation of the difficult ethical issues that relate to the resuscitation of extremely preterm infants, providing palliative care and withdrawing intensive care.
9. To experience how research and clinical medicine closely interlink and are co-dependent to provide better outcomes for the infants of tomorrow.

**Background information:**

Queen Charlotte’s and Chelsea Hospital has become one of the largest referral centres in the country. Neonatal neurology, cardiology, haematology, respiratory and nutrition are some of the major specialist clinical and research activities provided within the unit. Referrals to the centre for Fetal Care and high risk Obstetric service ensure many babies with complex problems are admitted to the unit.

In the year 2009 there were 489 admissions to the neonatal unit and a further 565 babies received transitional care on the postnatal wards. A dedicated Neonatal Community Service ensures continuity of care for the baby once discharged home. A neonatal dietician, speech therapist and physiotherapist are closely involved in the management of inpatients as well as longer-term neonatal follow up. Two psychologists are based on the unit provides support to both families and staff.

**Key learning events:**

1. Participation in consultant led teaching and multidisciplinary ward rounds.
2. Speaking with parents, clerking babies and following their care pathway.
3. Shadowing doctors to experience the day to day reality of a neonatal post.
4. Spend time in each of the key areas: intensive care, low dependency, transitional care and the postnatal wards to understand common problems in each of these differing groups of babies.
5. Attend deliveries to witness both stabilisation and basic resuscitation.
6. Spend time with the psychologists on the neonatal unit who support the parents and attend a parents support group.
7. Face to face tutorials with module leaders.
8. Attendance at neonatal follow up clinics.
9. Participation in all the weekly teaching opportunities offered to the trainees. This comprises a minimum of 5 hours per week including case presentations, X ray meeting, journal club and consultant teaching in line with the core curriculum.
10. Spend time with the clinical research team to understand the clinical trials being undertaken by the department and observe the consent procedures being discussed with parents.

**Assessment:**

1) Attendance. The module offers 15 full day sessions, all of which should be attended.

2) Students will be expected to present cases on ward rounds and give a case presentation including a literature review in one of the weekly departmental teaching sessions.

3) Students will be expected to keep a reflective portfolio that will be reviewed by the module tutors.

4) Feedback on the student’s performance will be given at a face-to-face evaluation with one of the module tutors at the end of the attachment. SCM report form will be completed at this time.

**Maximum number of students at any one time:**

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