



**UNIVERSITY COLLEGE DUBLIN**  
*An Coláiste Ollscoile Baile Átha Cliath*  
**UCD SCHOOL OF NURSING, MIDWIFERY & HEALTH SYSTEMS**  
Scoil na hAltrachta, an Cnáimhseachais agus na gCoras Slainte

In partnership with the  
National Maternity Hospital  
and  
Maternity services within the Ireland East Hospital  
Group  
at  
Regional Hospital Mullingar,  
St Luke's General Hospital Carlow/Kilkenny,  
Wexford General Hospital



UCD Midwifery

**Medication Workbook for Year 1 BSc Midwifery Students**

Student Name:

Student Number:



## Introduction

This workbook has been developed as a tool to assist you in gaining knowledge of some of the commonly used medications during your placements in Year 1. In trimester 1 of Year 1 you will receive an introductory lecture to medication management and professional practice. This workbook will enable you to link theory to practice in relation to medication management. Medication management is an important aspect of your competence assessment and the Principles and Competencies specific to this area for Year 1 (**you will participate with the midwife as an observer under direct supervision**) are:

***"Principle 3: Quality of Practice:** Participates with the midwife in the safe management of drug administration, monitoring effects and documenting appropriately in accordance with NMBI medication management guidance". (NMBI, 2020).*

## Learning Outcomes

During your Year 1 placements you should be able to:

- Summarise Nursing and Midwifery Board of Ireland (NMBI) practice standards used for medication administration (NMBI 2020)
- Summarise NMBI *Code of Professional Conduct and Ethics for Registered Nurses and Registered Midwives* (NMBI, 2021).
- Identify and explain the 10 'Rights' (R's) as per NMBI Standards for Registered Nurses and Midwives on Medication Administration (NMBI 2020)
- Demonstrate competent hand hygiene techniques (e.g. hand washing; use of alcohol gel)
- Demonstrate an understanding of the local policies and procedures for medication management (including controlled drugs)
- Explain how medications are prescribed (e.g. on prescription sheet, discharge prescription pad, electronic maternity record etc.)
- Explain the steps involved in the administration of medication
- Observe the correct practice of checking right woman/baby, right reason, right drug, right route, right time, right dose (including calculations), right form, right action, right documentation, right response (NMBI 2020)
- Observe the calculation, preparation and doublechecking of medications including the identification of patients/clients and the administration of medications and explain rationale for this
- Describe the storage of medication for this area
- Identify a minimum of 3 different medications for each placement that are commonly used in the area
- Complete the workbook below in relation to these medications
- Additional Learning Outcomes specific to this placement:

---

---

---

---

# SIGNATURE BANK

Each registered midwife/nurse who acts as a preceptor/co-preceptor for this student must sign this signature bank.

Preceptors/Co-preceptor Name (Print)	Signature	Preceptors/Co- preceptor Initials	Ward/Area

**This workbook must be completed during each Year1 clinical placement**  
**The following explains the requirements for each section of the workbook that is to be completed on each placement**

<b>Medication Name</b>	this refers to the approved (generic) name of the medication, which is the name that must be used when the medication is prescribed
<b>Brand/Trade Name</b>	It is common to hear or see medications referred to by their brand name e.g. Panadol for paracetamol. It is important to be aware of the brand and generic name of medications
<b>Medication Group</b>	What group does the medication belong to? Is it an analgesic, anti-hypertensive, anti-pyretic, antibiotic?
<b>Indication</b>	Why is this medication used and for which condition and/or symptoms?
<b>Dose</b>	Doses may vary depending on weight, age, route used or the indications for use.
<b>Route</b>	How should the medication be administered e.g. orally, rectally, intravenously, inhalation, intramuscularly, subcutaneously, intrathecal
<b>Frequency</b>	How often should this medication be administered? What is meant by a 'regular prescription' and a prescription that is 'PRN'? Where possible include the maximum dose in a 24-hour period or highlight the differences in frequency depending on route used.
<b>Peak Action/Duration of Action</b>	For example, if analgesia has been administered, how long will it take to work and how long will it last in the patients/client's system?
<b>Contraindications/Cautions/Midwifery Considerations</b>	Extremely important to identify, especially in relation to pregnancy & lactation
<b>Side-Effects</b>	When you know the side-effects, you can identify the reason quickly and prevent or manage the side-effect in an effective manner
<b>Observe the preparation, calculation, administration and documentation of medication to woman/baby</b>	Indicate if you have observed in the preparation, calculation, administration and documentation of medication to woman/baby

**The registered midwife/nurse who is administering medication must adhere to the ten rights of medication administration when administering medications to women/babies/clients (NMBI, 2020, pp16; HIQA 2015 pp19). Year 1 midwifery students must have direct supervision in relation to medication management and medication administration.**

- 1. Right Patient:** Be certain of the identity of the woman/baby to whom the medicine is being administered by verifying the Identification wristband, photograph or name and date of birth on the medicine chart.
- 2. Right Reason:** Understand the intended purpose of the medicines to be administered
- 3. Right Drug:** Confirm that the name of the dispensed medicine to be administered corresponds with the generic or brand name of the prescribed medicine, and she/he must only administer a viable medicinal product – that is, properly packaged and within its expiry date. The midwife/nurse must also check, both by asking the woman and inspecting the allergy status box on the medicines chart, whether the woman/baby has a known and recorded allergy to the prescribed drug or no known allergies. The allergy box must be completed.
- 4. Right Route:** Administer the medicine via the prescribed anatomical route and site (e.g. orally, subcutaneous injection, intramuscular injection, rectally, inhalation, intravenously etc.)
- 5. Right Time:** Administer the medicine at the prescribed time and prescribed intervals.
- 6. Right Dose:** Confirm, through arithmetical calculation that the dose of the medicine being administered concurs exactly with the dose prescribed. Where the local (PPPGs) identify this process for high risk medicines, the dose must be independently verified.
- 7. Right Form:** Confirm that the form of medicine that has been dispensed matches with the specified route of administration.
- 8. Right Action:** Ensure the medicine is prescribed for the appropriate reason and state to the woman the action of the medicine and why it is prescribed.
- 9. Right Documentation:** Sign, date and retain all documentation recording the administration of each medicine in the medicine's administration chart (or other document directing the administration of a medicine). The chart must only be signed to record a medicine has been administered once the medicine administration has been witnessed.
- 10. Right Response:** Observe the woman/baby for adverse effects, and assess the woman/baby to determine that the desired effect of the medicines has been achieved

The information you require can be obtained from a few sources including: Hospital Formulary, the British National Formulary, the hospital/community pharmacist, doctors, nursing/midwifery colleagues, articles, local policies and guidelines, NMBI & HIQA guidelines and UCD lecture notes on medication administration and pharmacology notes.

It is of the utmost importance that there is evidence of the student's ongoing understanding regarding the core elements of medication administration and management as outlined in every phase of his/her programme from Stages 1 to 4. Always refer to the local Medication Policy for Medication Administration and Management



UCD School of  
Nursing, Midwifery  
and Health Systems

# The Ten Rights of Medication Management



### Antenatal Placement (1)

Medication Generic/Brand/Trade Name <small>Choose medication related to specific clinical area</small>	Medication Group and Indications	Dose And Route	Frequency	Peak Action/ duration of action (If available)	Contraindications/ cautions/Midwifery Considerations	Side- effects	Observes the preparation, calculation, administration and documentation of administered medication

**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_
 **Preceptor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_



### Antenatal Placement (2)

Medication Generic/Brand/Trade Name <small>Choose medication related to specific clinical area</small>	Medication Group and Indications	Dose And Route	Frequency	Peak Action/ duration of action (If available)	Contraindications/ cautions/Midwifery Considerations	Side- effects	Observes the preparation, calculation, administration and documentation of administered medication

**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_
 **Preceptor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### Antenatal Placement (3)

Medication Generic/Brand/Trade Name Choose medication related to specific clinical area	Medication Group and Indications	Dose And Route	Frequency	Peak Action/ duration of action (If available)	Contraindications/ cautions/Midwifery Considerations	Side- effects	Observes the preparation, calculation, administration and documentation of administered medication

**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_
 **Preceptor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### Intranatal Placement (1)

Medication Generic/Brand/Trade Name <small>Choose medication related to specific clinical area</small>	Medication Group and Indications	Dose And Route	Frequency	Peak Action/ duration of action (If available)	Contraindications/ cautions/Midwifery Considerations	Side- effects	Observes the preparation, calculation, administration and documentation of administered medication

**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_
 **Preceptor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### Intranatal Placement (2)

Medication Generic/Brand/Trade Name Choose medication related to specific clinical area	Medication Group and Indications	Dose And Route	Frequency	Peak Action/ duration of action (If available)	Contraindications/ cautions/Midwifery Considerations	Side- effects	Observes the preparation, calculation, administration and documentation of administered medication

**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_
 **Preceptor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### Intranatal Placement (3)

Medication Generic/Brand/Trade Name <small>Choose medication related to specific clinical area</small>	Medication Group and Indications	Dose And Route	Frequency	Peak Action/ duration of action (If available)	Contraindications/ cautions/Midwifery Considerations	Side- effects	Observes the preparation, calculation, administration and documentation of administered medication

**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_
 **Preceptor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### Postnatal Placement (1)

Medication Generic/Brand/Trade Name <small>Choose medication related to specific clinical area</small>	Medication Group and Indications	Dose And Route	Frequency	Peak Action/ duration of action (If available)	Contraindications/ cautions/Midwifery Considerations	Side- effects	Observes the preparation, calculation, administration and documentation of administered medication

**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_
 **Preceptor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### Postnatal Placement (2)

Medication Generic/Brand/Trade Name Choose medication related to specific clinical area	Medication Group and Indications	Dose And Route	Frequency	Peak Action/ duration of action (If available)	Contraindications/ cautions/Midwifery Considerations	Side- effects	Observes the preparation, calculation, administration and documentation of administered medication

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Preceptor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### Postnatal Placement (3)

Medication Generic/Brand/Trade Name Choose medication related to specific clinical area	Medication Group and Indications	Dose And Route	Frequency	Peak Action/ duration of action (If available)	Contraindications/ cautions/Midwifery Considerations	Side- effects	Observes the preparation, calculation, administration and documentation of administered medication

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Preceptor Signature: \_\_\_\_\_ Date: \_\_\_\_\_



### Suggested reading:

- Birmingham City School of Nursing and Midwifery (2018) Sample Numeracy and Literacy Test, Available at: <https://www.bcu.ac.uk/nursing-and-midwifery/students/how-to-apply/sample-numeracy-and-literacy-test> (Accessed 21 July 2020)
- Drug calculations quiz page (page (2018) Available at: <http://www.testandcalc.com/quiz/index.asp> (Accessed 21 July 2020)
- Dosagehelp.com (2018) Available online at: <http://www.dosagehelp.com/> (Accessed 21 July 2020)
- Leufer, T., & Cleary-Holdforth, J. (2013) "Let's do no harm: Medication errors in nursing: Part 1." *Nurse Education in Practice*, 13(3), 213–216. <http://doi.org/10.1016/j.nepr.2013.01.013>
- Nursing and Midwifery Board of Ireland (2020) Guidance for Registered Nurses and Midwives on Medication Administration. Available at: <https://www.nmbi.ie/Standards-Guidance/Medicines-Management> (Accessed 1 September 2020)
- Queens University Belfast, Numeracy Skills for Drug Calculations, Available at: <https://www.qub.ac.uk/elearning/public/NumeracySkillsforDrugCalculations/> (Accessed 21 July 2020)
- World Health Organisation (2011) *Patient Safety Curriculum Guide: Multi-professional Edition*. WHO: Malta
- World Health Organization (2019) 5 Moments for medication safety, Available at: <https://www.who.int/patientsafety/medication-safety/5moments/en/> (Accessed 21 July 2020)

## **Additional Notes**

