

***DIRECT ENTRY MIDWIFERY
LEGEND DRUGS
AND DEVICES***

**40 HOUR INITIAL
CONTINUING EDUCATION**



LEGEND DRUGS AND DEVICES OVERVIEW
40 Hours

During the course of study, the candidate must receive theory instruction, guided practical experience and assessment of skills under an organization that has been approved to offer continuing education. The amounts of time a candidate devotes to theory and practice are flexible provided the minimum hour requirements listed below have been met.

Course / Description:	Hours Required:
Pharmacology	10 hours
Administration of Medications through Injection	4 hours
Treatment of Shock	4 hours
I.V. Therapy	12 hours
Suturing	10 hours
TOTAL HOURS:	40 HOURS

PHARMACOLOGY
10 Hours

Objectives:

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| <ul style="list-style-type: none"> ➤ Define a drug. ➤ Define "legend drugs and devices" Define and explain the following: <ul style="list-style-type: none"> ✓ Action and effect; ✓ Adverse reactions; ✓ Agonists and antagonists; ✓ Tolerance; ✓ Interactions; ✓ Placebo effects; and ✓ Compliance. ➤ Discuss various routes of administration. ➤ Explain placental transfer of medication to the fetus. ➤ Explain how a drug moves through the body: <ul style="list-style-type: none"> ✓ Absorption rate; ✓ Metabolism; and ✓ Excretion. ➤ Chart the use of authorized legend drugs and devices. ➤ Devise system for tracking legend drugs in a home-based midwifery practice, including expiration dates, per OAR. ➤ Dosage guidelines for approved legend drugs and devices identified in Oregon Administrative Rules (OAR) including Group B Streptococcal antibiotic prophylaxis. | <ul style="list-style-type: none"> ➤ Explain use of drug references. ➤ For each of the legend drugs and devices authorized for use by Licensed Direct Entry Midwives (LDM), explain and discuss the following: <ul style="list-style-type: none"> ✓ Mechanism of pharmacological action; ✓ Indications; ✓ Therapeutic effects; ✓ Side effects/adverse reactions; ✓ Contraindications; ✓ Incompatibilities/drug interactions; and ✓ Administration including: <ul style="list-style-type: none"> • Dosage; • Dosage form and packaging; • Onset of action; • Peak effect; • Duration of action/half-life Storage, transport and security; and • Disposal. ➤ Expiration of medications. |
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Standards for Instructors:

Instructors may include but are not limited to the following:

- Licensed Pharmacist
- Licensed Registered Nurse
- Licensed Physician
- Naturopathic Physician
- Physician Assistant
- Licensed Direct Entry Midwife

ADMINISTRATION OF MEDICATIONS THROUGH INJECTION
4 Hours

Objectives:

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| <ul style="list-style-type: none"> ➤ Describe and utilize universal precautions. ➤ List equipment needed for medication administration: <ul style="list-style-type: none"> ✓ Needles – size (length and bore) ✓ Filter Needles (for use with glass ampules) ✓ Syringes – including sizes and locks ✓ Skin surface disinfectants -alcohol, povidone iodine ✓ Medication containers: <ul style="list-style-type: none"> • Glass ampules • Multidose container • Single use vials ➤ Dosage guidelines for approved legend drugs and devices identified in Oregon Administrative Rules Chapter 332, Division 026. | <ul style="list-style-type: none"> ➤ Differentiate intradermal, subcutaneous, intramuscular and intravenous therapy. medication administration sites. ➤ Differentiate between intramuscular technique and dose for newborn and adult. ➤ List appropriate sites for medication injection ➤ Explain the three-point check technique and when to perform: <ul style="list-style-type: none"> • Date on medication, type, dosage; • Repeat after drawing up medication; and • Repeat after administering medication and chart. ➤ List steps for administering drug IM. ➤ List steps for administering drug SQ. ➤ Explain appropriate care of equipment used in administering medications. ➤ Demonstrate use of filter needle with glass ampule. ➤ Demonstrate use of multi-dose vial. ➤ Demonstrate I.M. injection. ➤ Demonstrate subcutaneous injection. ➤ Demonstrate administration of sterile water papules. ➤ Demonstrations do not have to be on live models. |
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TREATMENT OF SHOCK
4 Hours

Objectives:

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| <ul style="list-style-type: none"> ➤ Define Shock. ➤ Identify pathophysiology of shock. ➤ List and explain four cellular phases of shock. ➤ List four types of shock. ➤ Explain three stages of shock. ➤ List signs and symptoms of shock. ➤ Describe how to assess a patient in shock: <ul style="list-style-type: none"> ✓ Define "primary survey" and list its three components; ✓ Define "secondary survey" and list its two components; and ✓ List locations of palpating a pulse. ➤ Dosage guidelines for approved legend drugs and devices identified in Oregon Administrative Rules Chapter 332, Division 026. | <ul style="list-style-type: none"> ➤ List three levels of care in the resuscitation of a patient in shock. ➤ Demonstrate special positioning needs when treating pregnant women for shock and explain rationale and physiology. ➤ Reasons for using I.V. therapy including treatment of shock, dehydration, clinical exhaustion, hyperemesis. |
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- Licensed Direct Entry Midwife

CORE CURRICULUM FOR INTRAVENOUS THERAPY
12 Hours

Objectives:

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| <ul style="list-style-type: none"> ➤ Reasons for using intravenous therapy (I.V.) including treatment of shock, dehydration, clinical exhaustion, hyperemesis. ➤ List necessary equipment and supplies for administration of I.V. fluids. ➤ Explain appropriate care of equipment and supplies used in I.V. administration. ➤ List and explain appropriate use of I.V. solutions approved in OAR. ➤ Explain and describe rectal administration of I.V. fluids. ➤ Explain in detail the appropriate procedure for administration of I.V. fluids. ➤ Explain the difference between isotonic, hypertonic, and hypotonic solutions. ➤ Describe appropriate flow rates for I.V. administration. ➤ List reasons why I.V. flow can be impeded. ➤ Identify s/s of I.V. failure (infiltration). ➤ Dosage guidelines for approved legend drugs and devices identified in Oregon Administrative Rules. ➤ Chapter 332, Division 026. | <ul style="list-style-type: none"> ➤ List dangers of inappropriately placed or maintained I.V. ➤ List risks associated with I.V. therapy. ➤ Identify appropriate antihemorrhagic medication for use in an I.V. solution. ➤ List three aspects of I.V. fluid to check before administration. ➤ List actions the midwife can take to prevent infection when administering or changing an I.V. ➤ Demonstrate on live model non-invasive treatment including appropriate positioning for shock. ➤ Demonstrate, on mannequin, appropriate steps for administering an I.V. ➤ Demonstrate how to change-out a bag of I.V. fluid. ➤ Demonstrate, on live model, correct administration and discontinuation of four I.V.'s. |
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CORE CURRICULUM FOR SUTURING
10 Hours

Objectives:

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| <ul style="list-style-type: none"> ➤ Explain basic female pelvic floor and genital anatomy. ➤ List methods for preventing perineal damage. ➤ Define degrees of perineal damage. ➤ Explain steps to evaluate pelvic floor and genital area for damage following birth. Identify circumstances when perineal damage may not require repair. ➤ Discuss steps to take if a woman declines repair. ➤ List types of perineal damage which requires referral for repair. ➤ Explain the consequences of a poorly done repair to a woman's health. ➤ Discuss pros and cons of two forms of local anesthetic ➤ Amide vs. ester based. ➤ Discuss use of epinephrine in local anesthetic – pros and cons. ➤ Explain use of approved local anesthetics, including route of administration. ➤ List equipment needed to effect repair of 1st degree, 2nd degree, 3rd degree and labial lacerations. ➤ Explain differences between synthetic and organic suture. ➤ Explain differences in needle size and cutting edge and most appropriate use of each: <ul style="list-style-type: none"> ✓ Taper ✓ Cutting ✓ Taper-cutting | <ul style="list-style-type: none"> ➤ Discuss which instruments are needed for perineal repair, including sizes and styles of needle holders, clamps, forceps and scissors. ➤ Explain special techniques for working with curved needles. ➤ Demonstrate correct use of needle holder to make an instrument tie. ➤ Discuss pros and cons of instrument ties. ➤ Demonstrate dual instrument suturing techniques and other practitioner safety techniques. ➤ Discuss pros and cons of hand ties. ➤ Demonstrate hand tie suturing techniques and other practitioner safety techniques. ➤ Demonstrate four basic stitches: <ul style="list-style-type: none"> ✓ Interrupted ✓ Basting ✓ Lock blanket ✓ Running mattress ➤ List steps for 1st degree repair. ➤ List steps for 2nd degree repair. ➤ List steps for 3rd degree repair. ➤ List steps for labial repair. ➤ Explain how to maintain aseptic technique while suturing. ➤ Discuss pros and cons of subcuticular closure in perineal repair. |
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