

Research Paper for a Medication Training Gap

You need to demonstrate you have an acceptable understanding of the medication(s) you will be administering to your patients. These research paper(s) will be reviewed by the EMALB clinical advisors and the advisor must be satisfied of your understanding of the topic.

Below you'll find the necessary criteria that should be included in your paper.

The research paper is divided into two parts but should be submitted as one complete paper to getalicense@gov.bc.ca.

Title Page – Include the Medication Name, your full name (as it appears on your licence) and your licence number.

Part 1. Write about the medication in general (Drug Monograph information)

Part 2. Write about the medication and how it's used in practice (treatment guideline application)

If you have a training gap for more than one medication, you must submit a research paper for each of the medications.

*** Reference materials must be indicated with this paper ***

The below marking scoring criteria is for your reference only.

Marking Criteria:

| | |
|---|-----------|
| Surpasses expectations/objective(s) | 10 of 10 |
| Exceeds expectations/objective(s) | 7.5 of 10 |
| Meets expectations/objectives(s) | 5 of 10 |
| Arguably meets expectations and minimum requirements. | 2.5 of 10 |
| Fails to meet minimum requirement for objective(s) | 0 of 10 |

Plagiarism (outright copying or failure to properly credit ideas) will not be tolerated and will result in an unacceptable mark and a failure.

If you find the category has no relevance (like for example, under the “special considerations”) please indicate with a “Not Applicable” or “Not relevant”.

Drug Name:

Part 1.

Out of 120 (10 per category)

Classification:

- What is the Classification of the medication

Pharmacodynamics:

(The study of the physiological effects of drugs on the body)

- Mechanisms of drug action
- Relationship between drug concentration and effect

Pharmacokinetics:

(The process by which a drug is absorbed, distributed, metabolized and eliminated by the body)

- Mechanisms of absorption
- Distribution of an administered drug,
- The rate at which the drug action begins
- Duration of the effect
- Effects and routes of excretion of the metabolites
- Onset
- Peak
- Half-life and
- Duration of the drug.

Indications:

- General medication usage

Contraindications:

- General contraindications

Cautions:

- General cautions
- In pregnancies

Side effects:

- (Cardiovascular, CNS, dermatologic, gastrointestinal, etc)

Drug interaction(s):

-

Parenteral administration:

- Any medication route other than the digestive tract

Dosage:

- General dosing
- Paediatric
- Renal failure

How supplied:

Special considerations (if any):

Part 2:

Patient application

Out of 80 (10 per bullet)

This section will address how this medication is used in the treatment of patients. Indicate Why, How, When, When not to, etc. How do you use this medication with in the Treatment Guidelines? Show the treatment flow.

- What could be all the conditions this medication could be used in _____
- Indication for use of this medication in the treatment(s) _____
- Treatment contraindications _____
- Protocol sequencing _____
- Treatment objectives _____
- Vital sign requirements _____
- Treatment exit requirements _____
- Reference Material _____

The combined mark will be out of 200.

To be successful you must achieve a mark of at least 100.