



OPTOMETRIC INJECTIONS

West Virginia Board of Optometry

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West Virginia Board of Optometry
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§14-11 Injectable Pharmaceutical Agents Certificate

Optometric Injections

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§14-11 Injectable Pharmaceutical Agents Certificate

A Summary

The law to allow optometrists to administer injections was passed in the 2010 Legislative Session as a part of the revision of the Optometric Practice Act, W. Va. Code §30-8. The section granting the privilege to perform injections of epinephrine and giving the Board authority to add additional agents for injection is W. Va. Code, §30-8-15. The Board's new rule, W. Va. Code of State Rules, §14-11, Injectable Pharmaceutical Agents Certificate, was passed during the 2011 Legislative Session.

The rule became effective 11/1/11. New injections added are to be administered for treatment of the human eye and its appendages which includes the eyelids, the eye brows, the conjunctiva and the lacrimal apparatus. Injections directly into the globe of the eye, retrobulbar and peribulbar injections are prohibited.

The Board has authorized intramuscular, intravenous, subcutaneous, and subconjunctival injections for those who possess an injection certificate. Agents permitted are those pharmaceuticals that optometrists have been authorized to prescribe previously either topically or orally that would be appropriate for injection. Current classes of oral drugs permitted in rule §14-2 include antibiotics, nonsteroidal anti-inflammatory drugs, carbonic anhydrase inhibitors, antihistamines, corticosteroids, analgesics and nutritional supplements. New drugs and new drug indications may be added by a decision of the Board.

The rule requires an optometrist to have oral pharmaceutical prescriptive authority prior to application for a certificate. The applicant must be pre-certified to take the Board approved training for injection certification. Licensees who graduated from optometry school prior to 2011 must complete twenty (20) hours of continuing education in injections and intraocular and systemic pharmacology or therapeutics within five (5) years prior to taking the Board approved training for injection certification. At least five (5) of those continuing education hours must be taken in injections and their administration. Once pre-certified, the licensee may take Board approved training for injection certification. This training will include supervised hands-on training on human subjects with written and injection proficiency examinations. The applicant must also present a current card from the Red Cross or American Heart Association in basic life support.

Licensees who have graduated from an accredited optometry school in 2011 or thereafter and who have taken and passed the injection portion of the National Board Examination meet education and training requirements for basic injection administrative authority (intramuscular and intravenous injections). Additional types of injections will require completion of the Board approved training in injection certification. A current card from the Red Cross or American Heart association in basic life support is required.

The rule also outlines requirements regarding reporting of injections to a primary care provider, a log book to be maintained on injections administered and adverse reaction reporting.

The following pages include more specific requirements, applications and reporting forms and the law and rule regarding optometric injections.

§14-11 Pharmaceuticals by Injection Certificate

Approved Sites and Agents §14-11-7.2

Sites

1. The certificatee is authorized to administer injectable pharmaceutical agents which are considered rational to the diagnosis and treatment of the human eye and its appendages. W. Va. Code §30-8-3(a) defines the appendages as the eyelids, the eyebrows, the conjunctiva and the lacrimal apparatus.
2. In no event may a certificate holder administer a pharmaceutical agent by injection directly in the globe of the eye.

Types of Injections

3. The basic types of injections authorized are intravenous and intramuscular.
4. Subcutaneous and subconjunctival injections are authorized provided, that an applicant who graduated from a school or college of optometry accredited by the Accreditation Council on Optometric Education and who passed the Injection Portion of the National Board Examination in 2011 or thereafter shall complete Board approved certification training with a proficiency examination prior to authorization by the Board to administer subcutaneous and subconjunctival injections.
5. Retrobulbar and Peribulbar injections are prohibited.

Pharmaceutical Agents

1. The injection formulary shall consist of those agents that certificate holders have been authorized previously to administer or prescribe as topical agents or oral medication categories listed in the oral formulary of the Board in the W. Va. Code of State Rules, §14-2-7.2a. through §14-2-7.2.g. that are suitable for injection. New drugs or drug indications may be added to the formulary by a decision of the Board.
2. Board approved treatment guidelines shall be followed with all board approved pharmaceutical agents. Additional treatment guidelines may be added for certain pharmaceutical agents.

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§14-11 Injectable Pharmaceutical Agents Certificate

Basic Injection Training Requirements

Additional training may be required for more advanced types of injections and certain agents.

Applicants Who Have Graduated From an Accredited Optometry School in 2011 or Thereafter

1. An applicant who has graduated from an optometry school that is accredited by the Accreditation Council on Optometric Education or its successor and who has passed the Injection Portion of the examination administered by National Board of Examiners in Optometry or its successor shall be deemed to have met the education and training criteria for basic injection authority listed in §14-11-5. The basic level includes intramuscular and intravenous injections.
2. The applicant shall provide proof of graduation and passage of the Injection Portion of the examination administered by the National Board of Examiners in Optometry.
3. The applicant shall provide proof of certification from the American Red Cross or the American Heart Association or their successor organizations in basic life support.
4. If the licensee wishes to pursue other types of injection administration this training is required to be pre-certified to take Board approved injection training. The applicant shall provide proof of twenty (20) hours of Board approved continuing education in injections and intraocular and systemic pharmacology or therapeutics prior to taking Board approved training for injection certification. The twenty (20) hours of Board approved continuing education courses must be completed within five (5) years prior to the date of the licensee's Board approved injection certification training. A minimum of five (5) hours of the twenty hours of Board approved continuing education shall be on injections and their administration. Licensees who graduated from an accredited optometry school in 2011 or thereafter may use courses taken during optometry school in order to satisfy this requirement if the courses meet the content and timeframe listed above.

Applicants Who Have Graduated From an Accredited Optometry School Prior to 2011

1. The applicant shall provide proof of twenty (20) hours of Board approved continuing education in injections and intraocular and systemic pharmacology or therapeutics prior to taking Board approved training for injection certification. The twenty hours (20) of Board approved continuing education courses must be completed within five (5) years prior to the date of the licensee's Board approved injection training. A minimum of five (5) hours of the twenty hours of Board approved continuing education shall be on injections and their administration. This training is required to be pre-certified to take Board approved injection training. Recent graduates may use courses taken in optometry school in order to satisfy this requirement if the courses meet the content and timeframe listed above.
2. The applicant shall provide proof of successful passage of Board approved training in for injection certification including administration of injections on human subjects.
3. The applicant shall provide proof of passage of the Board approved injection proficiency assessment examination on human subjects.
4. The applicant shall submit proof of current certification from the American Red Cross or the American Heart Association or their successor organizations in basic life support.

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§14-11 Pharmaceuticals by Injection Certificate

Board Approved Injection Certification Training Criteria

1. Each course shall include indications, contra-indications, medications, techniques, risks, benefits and sharps management.
2. Each course shall provide instruction in intravenous, intramuscular, subcutaneous and subconjunctival injections.
3. Each course shall contain appropriate follow up and management of any adverse reactions caused by an injection.
4. Each course shall teach the procedures of injection on human subjects in a closely supervised environment with a proficiency assessment examination.
5. The course shall be provided by an optometry school accredited by the Accreditation Council on Optometric Education or its successor.
6. The training shall require a written and injection proficiency examination including intramuscular, intravenous, subcutaneous and subconjunctival injections.

Board Approved Injection Certification Training

1. The West Virginia injection training offered by the University Of Alabama School Of Optometry.
2. The West Virginia injection training offered by the Northeastern State University of Oklahoma College of Optometry.

Recertification Training

1. The certificate holder shall complete a minimum of two (2) hours of continuing education instruction in administering pharmaceutical agents by injection per two year continuing education cycle as listed in W. Va. Code of Rules, §14-10, Continuing Education.
2. The certificate holder shall submit proof of current certification in basic life support from the American Red Cross or American Heart Association or their successors.

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§14-11 Pharmaceuticals by Injection Certificate

Board Approved Treatment Guidelines

1. The agents included in this guideline are pharmaceutical agents which have been authorized by the W. Va. Code, §30-8, the W.Va. Code of State Rules, Series 14 which are appropriate for injection or pharmaceutical agents added by a decision of the Board.
2. The certificate holder shall take a patient's medical history prior to injection administration.
3. The certificate holder shall assess the patient's treatment needs prior to injection administration.
4. The certificate holder shall provide a plan of treatment and implement that plan.
5. The certificate holder shall monitor the patient for an adverse reaction and provide appropriate follow up care for patients treated by injections.
6. The certificate holder shall follow all applicable Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) guidelines pertaining to administration of injections.
7. The certificate holder shall adhere to generally accepted standards of care and follow established clinical guidelines for administering injections.
8. The Board may list treatment guidelines for each pharmaceutical agent as needed.

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Office Use Only	
Board Approval	_____
Date of Approval	_____
Audit Completed	_____

Precertification for Board Approved Injection Certification Training

Please type or print clearly. Do not leave any sections blank.

Applicant's Name _____
(Last) (First) (Middle) (Suffix)

Office Address _____

City: _____ State _____ Zip _____ County _____

E-mail Address _____ Office Phone Number _____

License Number _____

Date _____ OE Tracker Number _____

Required Training to Qualify to Take Board Approved Injection Training

You must complete Twenty (20) hours of continuing education in injections and their administration and intraocular and systemic pharmacology or therapeutics prior to taking Board approved training for injection certification. These twenty (20) hours must have been completed within five (5) years prior to the date of the Board approved injection certification training. A minimum of five (5) of the twenty (20) hours must be taken in injections and their administration.

Those licensees who have graduated from an optometry school accredited by the Accreditation Council on Optometric Education within five (5) years of taking Board approved injection certification training may use courses taken in optometry school, provided, that the same requirement for content of those courses have been met.

Proof of Required Education Hours

You will be required to make a sworn certified statement before a notary public to affirm that you have completed the required twenty (20) hours of education within five (5) years prior to the date of taking Board approved injection certification training. These hours of training may be audited by the Board. If approved proof of completion of the required education cannot be obtained upon audit the Board may take disciplinary action to include, but is not limited to, censure, refusal to renew a license, suspension of a license, revocation of a license and imposition of probationary conditions.

Sworn Affidavit

This application is incomplete and will not be approved unless the attached affidavit on page 2 is sworn and certified in person before a notary public.

Affidavit

I, _____, being first duly sworn, depose and say that I have completed the required twenty (20) hours of education in injections and their administration and intraocular and systemic pharmacology or therapeutics including a minimum of five (5) hours in injections and their administration in order to qualify to take Board approved training in injections and their administration.

I hereby request and authorize all institutions or organizations to release to the West Virginia Board of Optometry any information or records required by the Board regarding my clinical ability, education and training. A copy of this Affidavit shall have the same force and effect as the original.

I declare that the statements made by me in this application are true and correct. I understand that my education hours may be audited requiring proof of the required twenty hours of education. I agree that any falsification, omission or withholding of information concerning my qualifications as an applicant shall be sufficient grounds for disciplinary action which may be taken by the Board.

Before me, the undersigned authority, on this day personally appeared _____.
Who after being duly sworn by me on his or her oath that all facts, statements and answers contained in this application and true and correct in every respect.

Applicant's Signature (Signed in Presence of Notary)

Sworn and subscribed to before me this _____ day of _____, 20 _____, to certify which witness my hand and official seal of office.

Notary Public

My Commission Expires: _____

I declare that the statements made by me in this application are true and correct. I agree that any falsification, omission or withholding of information concerning my qualifications as an applicant shall be sufficient grounds for disciplinary action which may be taken by the Board.

I have read, understand and will comply with the requirements of West Virginia Code, §30-8-15 and West Virginia State Code of Rules, §14-11.

Before me, the undersigned authority, on this day personally appeared _____.
Who after being duly sworn by me on his or her oath that all facts, statements and answers contained in this application and true and correct in every respect.

Applicant's Signature (Signed in Presence of Notary)

Sworn and subscribed to before me this _____ day of _____, 20 _____, to certify which witness my hand and official seal of office.

Notary Public

My Commission Expires: _____

WEST VIRGINIA BOARD OF OPTOMETRY

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Optometrist's Office Use Date of report _____ Method of report (fax, phone call, mail) _____
--

Injection Report to Primary Care Provider

Patient's Name _____
(Last) (First) (Middle) (Suffix)

Patient's Date of Birth _____

Administering Optometrist _____

Office Address _____

City: _____ **State** _____ **Zip** _____ **Phone No.** _____

Date of Treatment _____

Diagnosis _____

Injection Performed with Pharmaceutical Agent _____

Expected Result of Injection _____

Adverse Reaction _____

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Injection Report to Patient

This report form is given to the patient for one of two reasons: either the patient refused to give permission to the optometrist to report the injection to his/her primary care provider or the patient does not currently have a primary care provider.

Please give this report to your current primary care physician or any primary care provider you would choose to see in the future.

Patient's Name _____
(Last) (First) (Middle) (Suffix)

Patient's Date of Birth _____

Administering Optometrist _____

Office Address _____

City: _____ **State** _____ **Zip** _____ **Phone No.** _____

Date of Treatment _____

Diagnosis _____

Injection Performed with Pharmaceutical Agent _____

Expected Result of Injection _____

Adverse Reaction _____

Patient Signature

Date

Optometrist Injection Log Sheet

	Patient Information	Diagnosis	Medication, Dosage	Type/Site	Date and Admin By	Trt Guide	PCP notified
	initials, age, gender, race	Code				Check	Date and Method
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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27							
28							
29							
30							
31							

Board Office Use Only
Date Received _____
Sent to Board _____

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Adverse Reaction to Injection Report

Licensee's Name _____ **License No.** _____

Patient's Initials _____ **DOB** _____

Date of Injection Administration _____ **Agent Injected** _____

Concentration and Dose of Agent Injected _____

Method of Injection Administration (sub-conjunctival, subcutaneous, intra-dermal, intramuscular, IV)

Site of Injection (lid, sub-conjunctival, intra-lesional, non-ocular region). _____

Diagnosis (reason for injection) _____

Adverse reaction (Describe signs and symptoms outside expected outcome and diagnosis of response.

Treatment Given following reaction _____

Length of Time observed before dismissing patient _____

Symptoms Resolved before patient dismissed: **Yes** _____ **No** _____

Results of Follow-up visit or call to patient _____

Final report of patient condition and disposition _____

Notes comments pertinent to case not included in report _____

Signature

Date

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Code Provisions Regarding Injections

§30-8-15. Administration of injectable pharmaceutical agents

(a) A licensee may not administer pharmaceutical agents by injection, other than epinephrine to treat emergency cases of anaphylaxis or anaphylactic shock, unless the provisions of this section, along with any legislative rule promulgated pursuant to this section, have been met.

(b) Additional pharmaceutical agents by injection may be included in the rules for legislative approval in accordance with the provisions of article three, chapter twenty-nine-a of this code. These rules shall provide, at a minimum, for the following:

- (1) Establishment of a course, or provide a list of approved courses, in administration of pharmaceutical agents by injection;
- (2) Definitive treatment guidelines which shall include, but not be limited to, appropriate observation for an adverse reaction of an individual following the administration of a pharmaceutical agent by injection;
- (3) A requirement that a licensee shall have completed a board approved injectable administration course and completed American Red Cross or American Heart Association basic life-support training, and maintain certification in the same;
- (4) Continuing education requirements for this area of practice;
- (5) Reporting requirements for licensees administering pharmaceutical agents by injection to report to the primary care physician or other licensed health care provider as identified by the person receiving the pharmaceutical agent by injection;
- (6) Reporting requirements for licensees administering pharmaceutical agents by injection to report to the appropriate entities;
- (7) That a licensee may not delegate the authority to administer pharmaceutical agents by injection to any other person; and
- (8) Any other provisions necessary to implement the provisions of this section.

(c) In no event may a licensee be granted authority under this section to administer a pharmaceutical agent by injection directly into the globe of the eye.

**TITLE 14
LEGISLATIVE RULE
WEST VIRGINIA BOARD OF OPTOMETRY**

**SERIES 11
INJECTABLE PHARMACEUTICAL AGENTS CERTIFICATE**

§14-1-1. General.

1.1. Scope. -- This rule establishes the requirements, procedures and standards for the certification of a licensee to administer injectable pharmaceutical agents which are considered rational to the diagnosis and treatment of the human eye and its appendages. The provisions of this rule excludes the administration of epinephrine to treat emergency cases of anaphylaxis or anaphylactic shock which is permitted through W. Va. Code §30-8-15(a).

1.2. Authority. -- W. Va. Code §30-8-6 and 30-8-15.

1.3. Filing Date. -- August 12, 2011.

1.4. Effective Date. -- November 1, 2011.

14-11-2. Definitions.

2.1. "Certificate Holder" means a licensee who has met the requirements of this rule and has been issued an Injectable Pharmaceutical Agents Certificate by the Board.

2.2. "Adverse Reaction" For the purposes of this rule, an adverse reaction shall be defined as any reaction that causes injury to a patient as the result of the medical intervention by injection.

§14-11-3. Certification Generally.

3.1. A licensee shall complete an application and meet all requirements as listed in this rule in order to be certified to administer injectable pharmaceutical agents.

3.2. A licensee shall obtain oral

prescriptive certification prior to application for certification to administer pharmaceutical injections.

3.3. An applicant for licensure by examination, by reciprocity, or by reinstatement after March 1, 2011 shall only be granted licensure if the applicant meets the requirements for injection certification.

§14-11-4. Certification Requirements.

To be certified the licensee shall:

4.1. Complete the required application form;

4.2. Submit proof of oral pharmaceutical certification;

4.3. Submit proof of attendance and satisfactory completion of the required course in injection administration. The Board shall verify successful completion of the cited course directly with the provider;

4.4. Submit proof of current certification from the American Red Cross or the American Heart Association or their successor organizations in basic life support;

4.5. Submit the Pharmaceuticals By Injection Certificate Fee as listed in the Board's rule, W. Va. Code of Rules, §14-5.

§14-11-5. Education and Training.

5.1. The Board shall accept a course for certification that is provided by or through a school or college of optometry accredited by the Accreditation Council on Optometric Education or its successor organization provided, the

course includes the criteria listed in subsections 5.2.1 through 5.2.3.

5.2. The Board, at its discretion, may approve courses provided through organizations other than accredited schools or colleges of optometry certifying that the optometrist is competent in providing the administration of pharmaceuticals by injection if, and only if, the course meets the following minimum criteria:

5.2.1. Each course shall include indications, contra-indications, medications, techniques, risks, benefits and sharps management;

5.2.2. Each course shall contain appropriate follow up and management of any adverse reactions caused by an injection;

5.2.3. Each course shall teach the procedures of injection on human subjects in a closely supervised environment with a proficiency assessment examination.

5.3. A list of approved courses for injection administration instruction will be maintained by the Board for public inspection.

5.4. A licensee shall obtain current certification from the American Red Cross or the American Heart Association or their successor organizations in basic life support.

5.5. The license granted to an applicant who graduated from an accredited school or college of optometry and who passed the Injection Portion of the National Board Examination in 2011 or thereafter shall be deemed to have met the education and training criteria listed in listed in section 5.

§14-11-6. Certification.

6.1. Upon the licensee's successful completion of the requirements and application listed in sections 3 through 5 and approval by the Board or its designee an injectable pharmaceutical agents certificate may be issued.

6.2. Upon issuance of the certificate, the licensee's license number shall be changed. The

license number will be followed by a dash and the initial "I" for injectable pharmaceuticals.

14-11-7. Treatment Guidelines.

7.1. A certificate holder may administer injections which are considered rational to the diagnosis and treatment of the human eye or its appendages.

7.2. The Board will maintain a list of approved sites and agents for the administration of pharmaceuticals by injection for public inspection. The list will contain treatment guidelines for each agent approved by the Board for injection.

7.3. The certificate holder shall follow all applicable Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) guidelines pertaining to administration of injections.

7.4. The certificate holder shall adhere to generally accepted standards of care and follow established clinical guidelines for administering injections. The certificate holder shall monitor the patient for an adverse reaction and provide appropriate follow up care for patients treated by injections.

7.5. Unless requested through an emergency rule of the West Virginia Legislature or the Federal Government through the Department of Homeland Security or its successor organizations, a certificate holder shall only administer agents through injection that are for the treatment and management of abnormalities of the eye or its appendages.

7.6. In no event may a certificate holder administer a pharmaceutical agent by injection directly in the globe of the eye.

§14-11-8. Reporting.

8.1. A certificate holder shall comply with the following reporting requirements.

8.2. Reporting that contains patient Protected Health Information (PHI) shall be done in accordance with the Health Insurance

Portability and Accountability Act (HIPAA) patient privacy requirements.

8.3. The certificate holder shall notify the primary care physician or other health care provider as identified by the person receiving the pharmaceutical agent(s) by injection. Such notification shall include the diagnosis, treatment and expected results of the injection.

8.4. The certificate holder shall document in the patient's record that the patient's primary care provider was notified of an injection given to the patient for record documentation. This notification shall be made by fax, documented phone call or standard U.S. mail.

8.4.1. If the patient does not have a primary care provider or refuses to provide written permission to report the injection(s) to his or her primary care provider the certificate holder may provide a written statement to the patient regarding the injection(s) administered with instruction to the patient to give the listed injection information to his or her current primary care provider or any primary care provider they would choose to see in the future.

8.4.2. The above reporting procedure serves to inform the patient's primary care physician as to the rationale and outcome of a licensee's treatment, report any adverse reaction, and assist in collaborative care of common patients. In no event shall such reporting be construed as permission or approval of an order for treatment by injection.

8.5. A log book of all injections given shall be maintained including:

8.5.1. The patient's initials, age, gender and race;

8.5.2. A statement indicating the purpose of the injection;

8.5.3. The name of the medication administered and the type and location of the injection;

8.5.4. The treatment guidelines

followed which must be compliant with the guidelines approved by the Board which are on file at the Board Office.

8.5.5. The name and certification or licensure level of any persons working in conjunction with the licensee to administer pharmaceutical agents through injections;

8.5.6. How the primary care provider was notified that the patient had been given an injection.

8.6. A copy of the injection log book shall be submitted to the Board upon request. This log book may be requested at any time by the Board with or without cause.

8.7. The Board may require a certificate holder to supply the complete medical record for any of the patients listed in the log book for review. The Board may also request an audit of the certificate holder's full records to ensure compliance with injection certificate requirements.

8.8. If a patient has an adverse reaction related to the administration of any agent through injection, they shall provide the Board with an incident report listing the details of the adverse reaction and the measures used to correct that reaction. This report must be received by the Board within 5 business days of the resolution of the adverse reaction.

§14-11-9. Recertification.

A certificate holder shall meet the following requirements for recertification:

9.1. The certificate holder shall submit proof of current certification in basic life support from the American Red Cross or American Heart Association or their successors.

9.2. The certificate holder shall submit proof of a minimum of two (2) hours of continuing education instruction in administering pharmaceutical agents by injection per two year continuing education cycle as listed in W. Va. Code of Rules, §14-10, Continuing Education.

9.3. The certificate holder shall submit the fee as listed in the W. Va. Code of Rules, §14-5.

§14-11-10. Delegation.

10.1. Nothing in this rule or W. Va. Code shall permit a licensee who has been certified to administer injections of pharmaceutical agents by the Board to delegate to any individual the administration of pharmaceutical agents through injection.

§14-11-11. Restrictions

11.1. A certificate holder may not establish a pharmacy in an optometric office or sell injectable pharmaceutical agents prescribed in treatment unless there is a licensed pharmacist on staff or present when the prescription is filled. Nothing in this rule shall prohibit the optometrist from charging a usual and customary fee for performing the injection.

11.2. Retrobulbar and Peribulbar injections are prohibited.

11.3 The board shall establish a formulary of pharmaceutical agents to be administered by injection.

11.3.1. The injection formulary shall be created from those agents that certificate holders have been authorized previously to administer or prescribe as topical agents or oral medication categories listed in the oral formulary of the Board in the W. Va. Code of State Rules, §14-2-7.2a through §14-2-7.2.g.

11.3.2. New drugs or drug indications may be added to the formulary by a decision of the Board based on any of the following criteria:

11.3.2.1. A new or existing drug has been approved by the Food and Drug Administration for the treatment of the eye or its appendages.

11.3.2.2. A new drug or new drug indication has gained accepted use in the eye care field. Such acceptance may be indicated by its inclusion in the curriculum of an optometry school accredited by the Accreditation Council on Optometric Education or its successor approved by the U.S. Department of Education or approved post-graduate continuing education, through peer-reviewed, evidence-based research and professional journal articles, or by inclusion in established standards of practice and care published by professional organizations.