



## CLINICAL POLICY

### PDT/ Aminolevulinic Acid (AVA) and Photodynamic combination therapy in the treatment of Actinic Keratosis

**A. EFFECTIVE DATE :**

February 16, 2021

**B. PURPOSE :**

To define the parameters of the administration of AVA and photodynamic therapy for the treatment of Actinic Keratosis.

**C. POLICY :**

1. All patients who are candidates must be evaluated by a Dermatology Practitioner prior to treatment. The LIP will provide written orders for treatment. They will periodically assess the patient for tolerance and effectiveness of treatment.
2. Appropriate eyewear for laser therapy will be provided for staff, patients, and other individuals present in the room when lasers are being used.
3. Signage indicating laser in use will be placed on all entrances and exits to the rooms where lasers are being used.

**D. SCOPE :**

Farmington Dermatology

**E. DEFINITIONS :**

None

**F. MATERIAL(S) NEEDED :**

Blu-Light, Microdermabrasion, ALA Kerastick

**G. PROCEDURE :**

1. RN to Verify patient's identity with two patient identifiers.
2. RN to gather equipment used for treatment. [Equipment may include ALA Kerastick (from Pyxis), gloves, towel, face wash, moisturizer, face wash, PDT light unit, and eyewear for patient and staff, microdermabrasion unit.]

3. Have patient wash treatment area thoroughly, assist as needed.
4. RN to administer microdermabrasion on areas to be treated. Assess patient tolerance to treatment. Clean treated area to remove any particles from the microdermabrasion. If patient using retinoid products, do not do microdermabrasion.
5. RN to apply Vaseline peri-orbital, peri-nasal, peri-oral.
6. RN to prepare the ALA Kerastick by breaking internal ampules. Shake the stick vigorously for at least 30 seconds to ensure that powder is completely dissolved.
7. RN to apply ALA to the target skin and surrounding region in a circular fashion (use Derm Aid Honeywell disposable eye shields).
8. Patient and staff to use protective eyewear at this time.
9. Send patient to waiting area to incubate for 2 hour time period.
10. Patient is placed in chair for positioning during light therapy. RN to position light for optimal exposure and begin light therapy. Patient to be under light for 16 minutes and 40 seconds.
11. After procedure, remove eyewear and remove PDT equipment from patient's area.
12. RN to instruct patient on aftercare. Discharge patient when treatment completed.

**PATIENT TEACHING:**

1. Instruct patient they may rinse face with cool water which can relieve some discomfort
2. Provide and review post-procedure care instructions with patient.

**H. ATTACHMENTS :**

None

**I. REFERENCES :**

Bologna, Jorizzo, Rapini , Dermatology, Second Edition 2008

**J. SEARCH WORDS :**

None

**K. ENFORCEMENT:**

Violations of this policy or associated procedures may result in appropriate disciplinary measures in accordance with University By-Laws, General Rules of Conduct for All University Employees, applicable collective bargaining agreements, the University of Connecticut Student Code, other applicable University Policies, or as outlined in any procedures document related to this policy.

**L. STAKEHOLDER APPROVALS :**

On File

**M. COMMITTEE APPROVALS :**

None

**N. FINAL APPROVAL :**

- |                                                                                                                                         |                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <p>1. <u>Andrew Agwunobi, MD (Signed)</u><br/>Andrew Agwunobi, MD, MBA<br/><b>UConn Health Chief Executive Officer</b></p>              | <p><u>03/24/2021</u><br/>Date</p> |
| <p>2. <u>Anne D. Horbatuck (Signed)</u><br/>Anne D. Horbatuck, RN, BSN, MBA<br/><b>Clinical Policy Committee Co-Chair</b></p>           | <p><u>03/24/2021</u><br/>Date</p> |
| <p>3. <u>Scott Allen, MD (Signed)</u><br/>Scott Allen, MD<br/><b>Clinical Policy Committee Co-Chair</b></p>                             | <p><u>03/23/2021</u><br/>Date</p> |
| <p>4. <u>Caryl Ryan (Signed)</u><br/>Caryl Ryan, MS, BSN, RN<br/><b>VP Quality and Patient Services &amp; Chief Nursing Officer</b></p> | <p><u>03/23/2021</u><br/>Date</p> |

**O. REVISION HISTORY :**

Date Issued: 03/12

Date Revised: 10/17, 02/21

Date Reviewed: