

Medical Micropigmentologist

Study Guide

Assessments:
8629 Medical Micropigmentologist (8A)



OKLAHOMA
State Department
of Health



OKLAHOMA
CareerTech

CTTC

CareerTech Testing Center
Health and Professional Certifications Project

Overview

This study guide is designed to help candidates prepare for licensure through the Oklahoma State Department of Health – Consumer Health Service Division. It includes information about each of the examinations, and the skills standards upon which the examinations are based, resources that can be used to prepare for the examinations, and test taking strategies.

Each of the sections in this guide provides useful information for candidates preparing for the examinations.

- Medical Micropigmentologist
 - ▶ Assessment Information
 - ▶ Standards and Test Content
 - ▶ Test Writing Resources
- Strategies for Test Taking Success
- Notes

This assessment was developed in partnership with the Oklahoma State Department of Health, which regulates the of Medical Micropigmentologist performing basic micropigmentation procedures. Each examination measures the candidate's mastery of knowledge and skills expected of workers in the area of licensure.

Disclaimer

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CareerTech and Licensure Exams

Career and technology education uses industry professionals and certification standards to identify the knowledge and skills needed to master an occupation. This input provides the foundation for development of curriculum, assessments and other instructional materials needed to prepare candidates for wealth-generating occupations and produce comprehensively trained, highly skilled employees demanded by the work force.

Measuring Success

Certification assessments provide a means of evaluating the candidate's mastery of knowledge and skills. Coaching reports communicate assessment scores to candidates and provide a breakdown of assessment results. The coaching report also shows how well the candidate has mastered skills needed to perform major job functions and identifies areas of job responsibility that may require additional instruction and/or training.

Assessment Information

How are the assessments developed?

The assessments are developed by the CareerTech Testing Center in partnership with the Oklahoma State Department of Health. Items for the exams were developed and reviewed by committees of subject matter experts within each of the licensure areas. All subject matter experts are professionals who have many years of experience in the industry.

How do I register for an exam?

Candidates for licensure can take an exam in-person. A list of testing centers and their contact information can be found at **www.okhcp.com** under the Med Mic/Tattoo/Body Piercing tab.

Candidates will be required to show one of the following forms of photo identification:

1. valid, current driver's license issued by any state in the United States, or
2. valid, current state of Oklahoma identification card

Identification cards issued by other states or entities **will not** be accepted. Candidate must provide an original testing authorization letter from OSDH.

What do the examinations cover?

Each examination is aligned to the skills standards for that licensure area. The standards for each licensure area are contained in this study guide.

What is required to pass the exam?

Candidates who score 70% or higher on the written examination and meet all licensure requirements will be issued a license by the Oklahoma State Department of Health.

Are the exams timed?

Yes. The exam is 2 hours. If the time allowed expires before the candidate is finished with the examination, the examination will automatically be submitted for scoring and all unanswered questions will be marked incorrect.

Can candidates use a calculator on the exam?

Yes, calculators may be used on these exams. If a calculator is needed, it will be provided by the testing center or through the assessment navigator within the exam.

What is the testing fee for written examinations?

Candidates must pay all testing fees to the test site upon registration. The current testing fees for the exams are located on the website at **www.okhcp.com** under the Med Mic/Tattoo/Body Piercing tab.

When will I receive my results?

Candidates will receive their results immediately upon completion of the testing.

Can candidates retake an exam?

Candidates who do not pass the written examination may retest. The candidate must apply for a retest letter from the licensing agency.

Standards and Test Content

8629 Medical Micropigmentologist (8A) **65 questions — 2 hour time limit**

Duty A: Apply Safety and Aseptic Techniques — 11% (7 questions)

Duty B: Apply Knowledge of Facial, Anatomy, Physiology, and Disease — 11% (7 questions)

Duty C: Understand Theory and Application of Micropigmentation — 15% (10 questions)

Duty D: Understand Color Theory — 11% (7 questions)

Duty E: Provide Client Consultation Services — 26% (17 questions)

Duty F: Display Professionalism — 9% (6 questions)

Duty G: Perform Micropigmentation Procedures on Client — 17% (11 questions)



Medical Micropigmentologist Skills Standards

Medical Micropigmentologist Apply Safety and Aseptic Techniques SKILLS STANDARDS

Duty A: Apply Safety and Aseptic Techniques — 11% (7 questions)

Duty B: Understand Theory and Application of Micropigmentation — 15% (10 questions)

Duty C: Understand Color Theory — 11% (7 questions)

Duty D: Provide Client Consultation Services — 26% (17 questions)

Duty E: Display Professionalism — 9% (6 questions)

Duty F: Perform Micropigmentation Procedures on Client — 17% (11 questions)

Frequency: represents how often the task is performed on the job. Frequency rating scales vary for different occupations.

The rating scale used in this publication is presented below:

1 = less than once a week

2 = at least once a week

3 = once or more a day

Criticality: denotes the level of consequence associated with performing a task incorrectly. The rating scale used in this publication is presented below:

1 = slight

2 = moderate

3 = extreme

DUTY A: Apply Safety and Aseptic Techniques

CODE	TASK	F/C
A.02	Apply principles of clean (sanitary) technique • Technician and client safety	3/3
A.03	Apply principles of infection control • Standard precautions • NEHA guidelines • CDC guidelines • OSHA • Immunizations • SDS • Microbiology • Disease transmission	3/3
A.04	Select appropriate method of sterilization	3/2
A.05	Demonstrate decontamination procedures • Wet • Dry • Steam	3/2

DUTY B: Apply Knowledge of Facial Anatomy, Physiology, and Disease

CODE	TASK	F/C
B.01	Identify basic structure and describe functions of the skin	2/3
B.02	Identify the physiology of wound healing • Delayed wound • Hyper-pigmentation • Hypo-pigmentation • Keloids • Scars	2/3
B.03	Identify common disorders and diseases of the skin • Herpes • Shingles • Contact dermatitis • Moles • Warts • Pre-malignant lesions • Eczema	2/3
B.04	Identify basic structure of the eye and describe function	2/2
B.05	Identify common disorders and diseases of the eye • Glaucoma • Cataracts • Corneal abrasions • Sty	2/2
B.06	Identify the effects of scarring and/or cosmetic/reconstructive surgery on the body	2/2

DUTY C: Understand Theory and Application of Micropigmentation

CODE	TASK	F/C
C.01	Discuss the theory of medical micropigmentation • History • Benefits • Medical uses	2/2
C.02	Evaluate facial shapes and features • Pigment placement	3/3
C.03	Develop a product resource list • Pigments • Supplies • Machines • Inventory control • Reputation of suppliers	2/2
C.04	Discuss common topical anesthetics and their use • Prescription warning • Safety	3/2

CODE	TASK	F/C
C.05	Discuss appropriate uses of equipment used for micropigmentation procedures • Hand • Rotary/Pen	2/2
C.06	Discuss needle options and selections • Size • Type • Gauges	3/3
C.07	Demonstrate competency in the use of the machine • Assemble • Disassemble • Techniques of implantation • Working on non-living medium • Needle Selection (“Use the Right Tool for the job”)	3/3

DUTY D: Understand Color Theory

CODE	TASK	F/C
D.01	Recognize factors affecting color • Skin tone • Skin type • Exfoliators • Medications	3/3
D.02	Utilize color wheel	2/3
D.03	Select and mix colors (pigment) • Match colors • Alter colors • Color formulas	3/3
D.04	Discuss methods of maximizing pigment retention • Color loss • Causes of loss • How to avoid color loss • Corrective solutions	3/3

DUTY E: Provide Client Consultation Services

CODE	TASK	F/C
E.01	Discuss the importance of a detailed consultation	3/3
E.02	Obtain informed consent	3/3
E.03	Obtain client medical history	3/3

CODE	TASK	F/C
E.04	Review client records to determine potential issues that might effect micropigmentation procedures • Refer to physician • Diabetes • Mitral valve prolapse • Artificial joints • High blood pressure/recent stroke • Herpes (fever blisters) • Histology/allergies	3/2
E.05	Assess client data to determine appropriateness of procedure	3/3
E.07	Provide pre- and post treatment instructions and information • Necessary supplies • Skin preparation • Aftercare instructions	3/3
E.08	Show before and after photos • Sign photo consent release • Take client photo	3/3
E.09	Provide appropriate documentation in client's chart • Extent • Content • Forms	3/3

DUTY F: Display Professionalism

CODE	TASK	F/C
F.01	Practice within federal, state, and local regulations	2/3
F.02	Identify legal and ethical issues in micropigmentation • Insurance/liability • Scope of Practice	2/2
F.03	Apply basic marketing and advertising strategies • Brochures and cards • Portfolio	1/1
F.04	Schedule, coordinate, and monitor appointments	2/2
F.05	Demonstrate employability skills • Time management • Appearance • Communication skills • Resume	2/2

DUTY G: Perform Micropigmentation Procedures on Clients

CODE	TASK	F/C
G.01	Prepare client and treatment area for procedure • Pre-procedure care • Client comforts	3/3
G.02	Review choice of color and placement • Eyebrows • Eyeliner • Lips • Reconstructive surgery (non-advanced) • Trauma	3/3
G.03	Mark shape and size for pigmentation	3/3
G.04	Apply selected anesthetic to client	3/3
G.05	Apply pigment to defined area	3/3
G.06	Provide post-procedure care • Cleanse treated area • “After” photos taken • Review wound care • Post-treatment instructions	3/3

CURRICULUM RESOURCES

The American National Red Cross (1993),
Community First Aid & Safety, Staywell, Boston, MA.

Zwerling, Dr. Charles, Annette Walker, and Norman F. Goldstein (1993),
Micropigmentation State of the Art, Dr. Charles S. Zwerling, MD, Goldsboro, NC.

Society of Permanent Cosmetic Professionals,
Medical Issues for Permanent Cosmetic Technicians, SPCP.

Culp, Judith (1999),
Permanent Cosmetic Equipment Manual, Society of Permanent Cosmetic Professionals.

Curriculum and Instructional Materials Center (2001)
Medical Micropigmentation, Oklahoma Department of Career and Technology Education,
Stillwater, OK.

Medical Micropigmentologist Skills Standards

**CROSSWALKED TO
MICROPIGMENTATION STATE OF THE ART
AND
MEDICAL ISSUES FOR PERMANENT COSMETIC TECHNICIANS
AND
PERMANENT COSMETIC EQUIPMENT MANUAL**

DUTY A: Apply Safety and Aseptic Techniques

CODE	TASK	RED CROSS	MEDICAL MICROPIG	MICROPIG STATE OF ART	MED ISSUES PERM COSM TECH	PERM. COSM EQUIP MANUAL
A.02	Apply principles of aseptic technique		Unit 1	214	14-17 22-25	52-53
A.03	Apply principles of infection control		Unit 1	214	22-25	39-45 52-53
A.04	Select appropriate method of sterilization		Unit 1	214	2-3	39-45
A.05	Demonstrate sterilization techniques		Unit 1		2-3	41

DUTY B: Apply Knowledge of Facial Anatomy, Physiology, and Disease

CODE	TASK	RED CROSS	MEDICAL MICROPIG	MICROPIG STATE OF ART	MED ISSUES PERM COSM TECH	PERM. COSM EQUIP MANUAL
B.01	Identify basic structures and describe functions of the skin		Unit 2			
B.02	Identify the physiology of wound healing		Unit 2	91 192-193 205	5-6 18-19 26	
B.03	Identify common disorders and diseases of the skin		Unit 2	79-80 91 189	4-5 20-21 27	
B.04	Identify basic structures and describe functions of the eye		Unit 2	57-64		
B.05	Identify common disorders and diseases of the eye		Unit 2		4	
B.06	Identify the effects of scarring and or cosmetic/reconstructive surgery on the body		Unit 2	76	5	

DUTY C: Understand Theory and Application of Micropigmentation

CODE	TASK	RED CROSS	MEDICAL MICROPIG	MICROPIG STATE OF ART	MED ISSUES PERM COSM TECH	PERM. COSM EQUIP MANUAL
C.01	Discuss the theory of medical micropigmentation		Unit 3	7-15 89-91 211-212		7-8
C.02	Evaluate facial shapes and features		Unit 3	68-79 108 113-120 163-168		
C.03	Develop a product resource list		Unit 3	17-30 199-202		9-10 13-16 19-21 35-37 39-43 46-52
C.04	Discuss common topical anesthetics and their use		Unit 3	123-124		
C.05	Explain the differences between various coil and pen machines		Unit 3	17-30		9-32
C.06	Discuss needle options and selections		Unit 3	154-155		33-38
C.07	Demonstrate competency in the use of the machine		Unit 3			10-11 14-17 22-38

DUTY D: Understand Color Theory

CODE	TASK	RED CROSS	MEDICAL MICROPIG	MICROPIG STATE OF ART	MED ISSUES PERM COSM TECH	PERM. COSM EQUIP MANUAL
D.01	Recognize factors affecting color		Unit 5	76-80 106-108 111-113	18-19	
D.02	Utilize color wheel		Unit 5			
D.03	Select and mix colors (pigments)		Unit 5			
D.04	Discuss methods of maximizing pigment retention		Unit 5		5	

DUTY E: Provide Client Consultation Services

CODE	TASK	RED CROSS	MEDICAL MICROPIG	MICROPIG STATE OF ART	MED ISSUES PERM COSM TECH	PERM. COSM EQUIP MANUAL
E.01	Discuss the importance of a detailed consultation		Unit 4	95	4-6	
E.02	Obtain informed consent		Unit 4	102-103 108-109 217 227		
E.03	Obtain client medical history		Unit 4	95-96 217-218	4-6	
E.04	Define contraindications to micropigmentation		Unit 4	91-93	5-6 20-21	
E.05	Assess client data to determine appropriateness of procedure		Unit 4	51-55	4-6	
E.07	Provide pre- and post- treatment instructions and information		Unit 4	108 223-224		
E.08	Show before and after photos		Unit 4	83-87 225		
E.09	Provide appropriate documentation in client's chart		Unit 4	215	7	

DUTY F: Display Professionalism

CODE	TASK	RED CROSS	MEDICAL MICROPIG	MICROPIG STATE OF ART	MED ISSUES PERM COSM TECH	PERM. COSM EQUIP MANUAL
F.01	Practice within federal, state, and local regulations		Unit 6	31-47	22-25	
F.02	Identify legal and ethical issues in micropigmentation		Unit 6	211-218 224-225		
F.03	Apply basic marketing and advertising strategies		Unit 6			
F.04	Schedule, coordinate, and monitor applications		Unit 6			
F.05	Demonstrate employability skills		Unit 6		11-13	

DUTY G: Perform Micropigmentation Procedures on Client

CODE	TASK	RED CROSS	MEDICAL MICROPIG	MICROPIG STATE OF ART	MED ISSUES PERM COSM TECH	PERM. COSM EQUIP MANUAL
G.01	Prepare client and treatment area for procedure		Unit 7	147-150 152 214	2-4	
G.02	Review choice of color and placement		Unit 7	68-79 108 111-120 147-150 155-157 163-168		
G.03	Mark shape and size for pigmentation		Unit 7	111-120 147-150 155-157 163-168		50-52
G.04	Apply selected anesthetic to client		Unit 7	123-124 147-150	8-9	
G.05	Apply pigment to defined area		Unit 7	106-108 111-120 163-168		
G.06	Provide post procedure care		Unit 7	83 149-150 223		

Testing Policies

Handling of Examination Materials

All examination materials are the copyrighted property. Distribution of examination content or materials through any form of unauthorized reproduction or through oral or written communication is strictly prohibited. Individuals/entities that compromise the security of testing materials will be held responsible for the expense of developing replacement materials.

Security/Cheating

If a candidate is caught cheating during the examination, testing will stop immediately. The candidate will receive a failing result and the incident will be reported to the Oklahoma State Department of Health for review. Testing fees will not be refunded and the candidate will not be able to test without a letter of approval from the OSDH. Each HPCP Test Center reserves the right to monitor and record all testing using audio, visual, and electronic devices.

Testing Accommodations

Requests to accommodate special needs during testing (i.e. oral test administration, special seating arrangements) must be made at the time of registration by completing the HPCP Form, Request for Testing Accommodations. Acceptable accommodations are determined by the OSDH.

Electronic Devices

Cellular phones or other electronic devices are not permitted and must be turned off during testing. Use of electronic devices during testing will be considered cheating and will be handled accordingly.

Study Aids

Only allowed resources listed in this study guide are permitted. Personal belongings brought into the testing area will be collected by testing personnel and returned when the examination has been completed. The HPCP test center is not responsible for lost or misplaced items.

Translation

All examinations will be administered in English. Translators, translation devices, or translation dictionaries may not be used during the examination.

Eating/Drinking/Smoking

Candidates are not permitted to eat, drink, or smoke during the examination.

Misconduct

Candidates causing a disturbance of any kind or engaging in any kind of misconduct will be dismissed from the examination and reported to the Oklahoma State Department of Health for disciplinary measures.

Guests/Visitors

No guests, visitors, pets or children are allowed at the testing site.

Use of Restrooms

Candidates must obtain permission from the written test proctor to use the restroom during testing. All testing materials will be collected from the candidate. No additional testing time will be granted.

Test Taking Strategies

This section of the study guide contains valuable information for testing success and provides a common-sense approach for preparing for and performing well on any test.

General Testing Advice

1. Get a good night's rest the night before the test – eight hours of sleep is recommended.
2. Avoid junk food and “eat right” several days before the test.
3. Do not drink a lot or eat a large meal prior to testing.
4. Be confident in your knowledge and skills!
5. Relax and try to ignore distractions during the test.
6. Focus on the task at hand — taking the test and doing your best!
7. Listen carefully to the instructions provided by the exam proctor. If the instructions are not clear, ask for clarification.

Testing Tips

1. Read the entire question before attempting to answer it.
2. Try to answer the question before reading the choices. Then, read the choices to determine if one matches, or is similar to your answer.
3. Do not change your answer unless you misread the question or are certain that your first answer is incorrect.
4. Answer questions you know first, so you can spend additional time on the more difficult questions.
5. Check to make sure you have answered every question before you submit the assessment for scoring — unanswered questions are marked incorrect.



NOTES

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NOTES

This image shows a single page from a notebook or ledger. It features approximately 20 evenly spaced horizontal blue lines across its entire width. The lines are thin and light blue, set against a plain white background. There are no margins, text, or other markings present on the page.