



Australian Government

SHBBSKT006 Design laser skin treatment programs

Release: 1

SHBBSKT006 Design laser skin treatment programs

Modification History

No equivalent unit.

Application

This unit describes the performance outcomes, skills and knowledge required to design laser treatment programs to improve the appearance of skin at an epidermal level. It requires the ability to design a staged program of multiple light-based treatments that will achieve optimum outcomes for the client.

This unit applies to skin therapists who work in beauty salons or skin clinics where skin therapy is provided.

The unit reflects the safety guidelines, for a broad range of laser dermal applications, expressed in the following Australian and New Zealand Standards, current at the time of publication:

- AS/NZS 4173:2018 Safe use of lasers and intense light sources in health care
- AS/NZS IEC 60825.1:2014 Safety of laser products Part 1: Equipment classifications and requirements
- AS/NZS 1336:2014 Eye and face protection - Guidelines.

The skills in this unit must be applied in accordance with Commonwealth and State or Territory legislation, Australian standards and industry codes of practice.

The use of laser is subject to legislation, regulation and licensing in some Australian States and Territories.

Pre-requisite Unit

Unit Code	Unit Title
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SHBBINF002	Maintain infection control standards
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Or;

HLTINF005	Maintain infection prevention for skin penetration treatment
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SHBBSKT003	Identify and control safety risks for light-based skin treatments
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Competency Field

Skin Therapy

Unit Sector

Beauty

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes

1. Confirm skin treatment program with client.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1. Discuss proposed treatment with client and review pre-treatment documentation.
- 1.2. Analyse indications for treatment, contraindications and client feedback and modify treatment plan.
- 1.3. Advise client of possible physical effects of laser treatments, special precautions to be observed, pre- and post-treatment and homecare required.
- 1.4. Explain contraindications which prevent treatment and recommend suitable alternative treatments.
- 1.5. Refer client to an appropriate professional where required.
- 1.6. Identify the treatment implications for combining laser skin treatment technologies with other skin services
- 1.7. Identify and discuss options or limitations for future treatments according to client characteristics, expectations and contraindications.
- 1.8. Obtain medical approval to proceed if client has medically-related contraindications or precautions.
- 1.9. Obtain signed informed consent, if not previously obtained.

2. Perform laser patch test.
 - 2.1. Explain sensation of the test before commencing.
 - 2.2. Select treatment parameters based on client consultation and analysis.
 - 2.3. Select small area on periphery to proposed treatment site and apply a small number of pulses.
 - 2.4. Comply with health and hygiene regulations and requirements.
 - 2.5. Record settings according to organisational requirements.
 - 2.6. Observe and record immediate reactions to establish end point.
 - 2.7. Use end point to design a safe and effective treatment.
 - 2.8. Apply post treatment skin cooling products according to treatment plan and skin reaction to patch test.
 - 2.9. Observe and record skin response after three to seven days.
3. Design a treatment program and discuss with client.
 - 3.1. Determine appropriate treatment program according to client assessment and within safe practice protocols.
 - 3.2. Discuss with client the proposed treatment plan, risks, costs, likely duration, frequency of treatment and likely recovery time.
 - 3.3. Confirm client compliance with special precautions and written pre- and post-treatment home care responsibilities.
 - 3.4. Discuss management of selected treatment in relation to other treatments or lifestyle factors.
 - 3.5. Photograph treatment area ensuing images are clear and comparable.
 - 3.6. Code and file images to enable comparisons and evaluation of outcomes.
 - 3.7. Complete and store treatment documentation according to organisational policies and procedures.

Foundation Skills

Foundation skills essential to performance in this unit, but not explicit in the performance criteria are listed here, along with a brief context statement.

SKILLS

DESCRIPTION

- Reading skills to:
- source, interpret and critically analyse:
 - scientific or technical documents related to laser technology and its effects on skin
 - skin treatment publications
 - manufacturer instructions and promotions
 - trade publications
 - organisational procedures.
- Oral communication skills to:
- sensitively and supportively discuss client needs and negotiate with clients
 - use medical terminology appropriately in consultations with clients, colleagues and health care professionals.
- Numeracy skills to:
- interpret manufacturer instructions and calculate treatment parameters, timing and costs.
- Problem-solving skills to:
- identify treatment limitations for specific clients, select and recommend alternative solutions.
- Initiative and enterprise skills to:
- promote treatments to existing and new clients.
- Planning and organising skills to:
- sequence treatments into an effective skin therapy plan
 - identify appointment times and negotiate with colleagues for access to equipment and rooms.
- Self-management skills to:
- manage length of consultation
 - recognise scope of practice issues and refer clients to colleagues or health care professional.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=255d312b-db07-48f2-b6d6-1b0b06c42898>

Assessment Requirements for SHBBSKT006 Design laser skin treatment programs

Modification History

No equivalent unit.

Performance Evidence

Evidence of the ability to complete tasks outlined in elements and performance criteria of this unit in the context of job role, and:

- consult with at least three different clients, each with different Fitzpatrick skin types and treatment needs
- for each of the above clients:
 - complete patch tests on each area proposed for treatment, and evaluate results
 - design and document a laser skin treatment program
 - record information obtained through all client consultation, observation and patch testing
 - during all consultations and patch tests, consistently follow organisational policies and procedures, non-ionising radiation safety protection plan and relevant state or territory laws, codes and guidelines related to the use of laser for cosmetic treatments.

Knowledge Evidence

Demonstrated knowledge required to complete the tasks outlined in elements and performance criteria of this unit:

- current local, state or territory health legislation, regulation and industry standards and guidelines relevant to laser skin treatments:
 - non-ionising radiation protection
 - skin penetration
 - work health and safety
- organisational policies and procedures
- non-ionising radiation safety plan
- organisational product and equipment range and manufacturer instructions and safety data sheets
- practitioners legal and insurance liabilities and responsibilities for laser skin treatment:
 - role and importance of indemnity insurance
 - potential risks, liabilities and consequences of non-coverage
- scope of practice
- indications for treatment:
 - epidermal texture thickening
 - superficial lines and rhytids

- epidermal pigmentation
- epidermal scars:
 - hypertrophic
 - post inflammatory hyper pigmentation
- diffuse redness, erythema and telangiectasias
- acne
- contraindications and their relationship to laser skin treatments:
 - albinism
 - pre-treatment sun exposure
 - artificially tanned skin
 - pregnancy
 - herbal remedies
 - active herpes simplex
 - active impetigo
 - active eczema
 - active acne
 - photo-sensitive:
 - medication
 - conditions
 - hypertrophic and keloid scars
 - artificial pigment in the treatment area
 - psoriasis in the treatment area
 - certain circulatory conditions
 - pregnancy
 - connective tissue disorders including scleroderma
 - prior surgery
 - birthmarks, moles and pigmented lesions
 - open wounds or abraded skin
 - moles or tattoos to be covered
- for the above listed contraindications:
 - appearance and identification
 - required action and treatment precautions
 - instances where treatment should not occur
 - instances where recommendation to seek advice of other professionals should be provided
- medical contraindications, their relationship to laser treatments, and required action and treatment precautions:
 - conditions already being treated by a general practitioner, dermatologist or skin therapist
 - medical oedema

- recent surgery
- diabetes
- asthma
- epilepsy
- skin cancers
- appearance of complications and adverse effects and their causes:
 - pigmentation changes
 - blistering
 - scarring and textural changes
- areas unsuitable for treatment:
 - eye orbital area
 - infra-orbital
 - mucosal surfaces
- principles of light energy and how it interacts with skin
- different types of laser equipment and their recommended use and application, including cooling applications
- factors governing treatment parameters:
 - wavelength
 - fluence
 - pulse width
 - pulse delay
 - repetition rate
 - spot size
 - cooling settings
- factors affecting treatment planning:
 - patch test results
 - skin type and condition
 - skin healing and reaction
 - areas treated and extent of area to be treated
 - client finance
 - pain tolerance
- effects, risks and benefits of laser skin treatments
- causes, appearance and management of skin reactions to laser patch testing:
 - blistering
 - scarring and textural changes
 - pigmentation changes
- symptoms, histology and molecular mechanisms of photoaging
- typical features, skin tanning and healing responses of:
 - the six Fitzpatrick skin types
 - Glogau and Rubin skin classifications

- acne grades and types
- alternative cosmetic medical treatments for ageing and for acne skin
- anatomy and physiology of the skin and skin structures as they relate to light technology skin treatments, including:
 - normal skin response to irritation and trauma
 - scars, including hypertrophic and keloid (their origin and evolution) and abnormal scar tissue
 - effects of laser skin treatments on physical structure of the skin
 - chromophores type and location within the skin
 - wound healing in different skin types and locations
 - normal, abnormal and delayed wound healing
- post-treatment care procedures:
 - low-frequency laser and healing products:
 - cold compress
 - cryogen sprays
 - cold gels
- post-treatment advice:
 - use of cooling gels
 - lifestyle advice
 - protecting treatment area from sunlight for specified time
 - care of treatment area
 - interval between treatments
 - precautions prior to next treatment:
 - 30 days prior to treatment: sun exposure and solarium treatments
 - 14 days prior to treatment: use of self-tanning products.

Assessment Conditions

Skills must be demonstrated in a skin treatment area; this can be:

- an industry workplace
- a simulated industry environment set up for the purposes of assessment.

Assessment must ensure access to:

- relevant documentation including:
 - AS/NZS 4173:2018 Safe use of lasers and intense light sources in health care
 - AS/NZS IEC 60825.1:2014 Safety of laser products Part 1: Equipment classifications and requirements
 - AS/NZS 1336:2014 Eye and face protection - Guidelines
 - Product manufacturer instructions and material safety data sheets
 - organisational policies and procedures relevant to use of laser technology for use in skin therapy.

Assessment must ensure use of:

- radiation warning signs stating ‘warning laser in operation do not enter when light above door is illuminated’
- non-flammable screens fitted inside windows to protect a person outside the window from non-ionising radiation levels greater than maximum permissible exposure to radiation
- ventilation designed to ensure that infective agents are not passed downstream in air handling or exhaust system
- fire extinguishing equipment, such as fire extinguishers, fire blankets and wet cloth drapes
- personal protection equipment for client and operator
- laser equipment which:
 - when energised, can emit an amount of non-ionising radiation higher than accessible limit for a Class 3B laser for the relevant period stated in, and measured in accordance with, the laser standard AS2211
 - can treat Fitzpatrick skin types one to six
 - is registered for purpose on the Australian Register of Therapeutic Goods
- laser clinical treatment environment that includes:
 - treatment table
 - magnifying lamp
 - eye protection equipment for clients and operators
 - disposable operator masks
 - single use wipes
 - skin grid pencils
 - conductive gel
 - cooling post-treatment products
 - organisational laser safety plan
 - cleaning and disinfecting equipment and products
 - professional skin care range
- real people with different skin types seeking skin treatments
- activities that reflect industry practice and allow the individual to work with commercial timing and productivity to complete client treatments within designated timeframes.

Assessment must be directly observed, in person, for the total duration of each laser client consultation and patch test, by assessors who meet the assessor requirements outlined below.

Assessors must satisfy the Standards for Registered Training Organisations’ requirements for assessors and:

- have worked for at least three years where they have applied the skills and knowledge of this unit of competency.

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