

CURRICULUM

Master of Cosmetic Dermatology (MCosDerm)

including Nested Courses

Graduate Certificate in Cosmetic Dermatology

Graduate Diploma in Cosmetic Dermatology

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Introduction

This curriculum document details the content to be covered and the expected key learning outcomes for students enrolling in the ACD Master of Cosmetic Dermatology (MCosDerm) and/or individually in its composite nested component courses, the Graduate Certificate in Cosmetic Dermatology and/or the Graduate Diploma in Cosmetic Dermatology.

The ACD Masters program and/or its components will set a benchmark for education in Cosmetic Dermatology in the Australian higher education arena and the international training domain.

These nested courses have been developed so as to form a natural progressive pathway to broadening and expanding students' depth of knowledge and understanding of key areas of cosmetic dermatology practice. The first of the nested courses, the Graduate Certificate will focus on principles, concepts and theory that underpin the sub-domain of dermatological practice that is cosmetic dermatology. The second will focus on more practical application of the material covered in the certificate level course and the opportunity to study targeted areas in more detail. The final component, focuses on the development of an understanding of, and skills in the domain of emerging cosmetic dermatological science and practice through studies in research methods and the conduct of scientific enquiry (Evidence Based medicine). Students will graduate equipped to apply this skill sets, making more informed decisions on the efficacy of current practice and research, future directions and, making a positive contribution to advancing dermatological understanding in the area of cosmetic practice.

Students have the choice to enrol in the full Master's program (opt-out' mode) or they may choose to enrol in either of the nested components as 'stand-alone' courses ('opt-in' mode). Successful completion of these nested components will attract credit towards completion of the full Master's program. Adopting this approach will allow students to spread their study commitments over a greater period of time but it will also extend the minimum time required to complete the Master's program.

Students enrolled under the 'opt-in' mode will not be permitted to enrol in the Masters program until they have:

- successfully completed both of the nested components qualifications (Graduate Certificate and Diploma in Cosmetic Dermatology or,
- been granted RPL for one or both of the above listed qualifications.

Aims of the Course

Operating as a fully accredited (Australian Medical Council) professional Medical College offering a 4 year post graduate specialist training program and as a registered Higher Education Provider (HEP), the Australasian College of Dermatologists is committed to providing participating students with a program of scholarship, advanced study and research. Students participating in the program will be empowered to, enhance their knowledge and skills and to make a significant contribution to knowledge and practice in their professional dermatological context. In doing so, they may also contribute more generally to scholarship within the discipline of dermatology generally or in some specific area(s) of interest.

The ACD considers post-graduate students should be required to apply their research and study to problems, issues or other matters of substance which produce significant benefits in professional practice. To this end, the MCosDerm qualification developed by the ACD is designed to provide the opportunity for candidates to learn in environments that nurture the:

- scholarship of discovery;
- scholarship of integration;
- scholarship of application; and
- scholarship of teaching.

The MCosDerm will be aligned to the curriculum set out within this document and will provide successful candidates with a recognised higher education qualification in the area of cosmetic dermatology.

Students who enrol in, and complete, the MCosDerm program (the 'opt out' mode for nested courses) will have their depth of knowledge, level of understanding and skills in the key areas of cosmetic dermatology practice expanded through both course work and research. They will be equipped to apply this knowledge, understanding and skills base in making better clinical decisions and making a positive contribution to advancing dermatological understanding in the area of cosmetic practice.

Specifically, for participating students, the full MCosDerm program is designed to:

- broaden their knowledge and skills base in the domain of cosmetic dermatology
- provide them with the opportunity to develop and apply a wide range of skills and processes associated with clinical practice in the domain of cosmetic dermatology
- provide them with the opportunity to gain and apply an understanding of the role and impact of Evidence Based Medicine in their everyday practice in the domain of cosmetic dermatology
- provide them with an opportunity to develop and apply skills in the design, conduct and reporting of research in a cosmetic dermatological setting.

Students who elect to complete one or other of the nested courses in lieu of the full program (the 'opt in' mode) will, if they complete both nested components, realise similar benefits, missing only the emphasis on evidence based medicine research in the cosmetic dermatological domain.

The level of approach to the broad aims listed will vary accordingly with the level of the qualification being offered viz., Master's, Graduate Diploma or Certificate in Cosmetic Dermatology.

Graduate Attributes

The College aims to produce graduates from all its programs of study with the following overarching attributes at levels appropriate to the level of study being pursued:

- Scholars capable of independent and collaborative enquiry, rigorous in their analysis, critique and reflection, and able to innovate by applying their knowledge and skills to the solution of novel as well as routine problems;
- Scientifically skilled leaders capable of initiating and embracing innovation and change, as well as engaging and enabling others to contribute to change;
- Professionals capable of ethical, self- directed practice and independent lifelong learning;
- Global citizens who are culturally adept and capable of respecting diversity and acting in a socially just and responsible way.

More specifically, with regard to the principal educational domain of the College, specialist medical practice in the field of dermatology in general as well as specialised domains such as cosmetic dermatology, the College aims to produce graduates who exhibit the following attributes:

Personal

- Apply analytical and critical thinking leading to creative problem solving.
- Commit to ethical practice and social responsibility.
- Engage in lifelong learning and reflective practice.

Applied Knowledge and Skills

- Utilise relevant and current information for quality practice and decision making in their activities as a specialist dermatologist.
- Strategically plan and manage resources in the treatment and ongoing management of patients.
- Manage quality in their practice as independent decision makers.
- Manage risk associated with their practice as independent specialist.
- Lead and manage those in their charge.

Interactional Skills

- Communicate across a range of disciplines and communities
- Work within and contribute to local and international processes in the practice and ongoing development in the field of dermatology.
- Enhance collaborative and multidisciplinary teamwork.

The attainment of these attributes apply to all students regardless of their participation model/nested course in this program.

Course Structure(s)

The Master of Cosmetic Dermatology program will be comprised of subjects specific to a Masters level qualification (italicised) as well as the prescribed subjects associated with the nested programs, Graduate Diploma and Graduate Certificate in Cosmetic Dermatology:

Core Subjects:

- CD I: Introduction to Cosmetic Dermatology (3CP)
- CD II: The Cosmetic Consultation (3CP)
- CD III: Surface Active Procedures (3CP)
- CD IV: Injectables (3CP)
- CD V: Muscle Relaxant and Dermal Filler Practical (3CP)
- CD VI: Surface Active Procedures Practical (3CP)
- RM I: Basic Elements of Evidence Based Medicine* (3CP)
- RM II: Advanced Evidence Based Medicine* (3CP)
- RM III: Advanced Issues in Evidence Based Medicine* (3CP)
- RP900: Minor Research Project* (9CP)

Elective Subjects: (Select 2)

- CDE I: Post Acne and other forms of scarring (3CP)
- CDE II: Body sculpting, cryolypolysis, ultrasound, liposculpture and fat transplantation (3CP)
- CDE III: Surgical management of hair loss (3CP)
- CDE IV: Management of lower limb venous disease (3CP)
- CDE V: The Business of Cosmetic Practice (3CP)

Students will be required to complete a total of **42 subject credit points** to be awarded the qualification 'Master of Cosmetic Dermatology'. The minimum completion time for a student enrolled on a full time basis will be 3.5 semesters (20 week semesters).

^{*} These subjects are component subjects within the accredited ACD Master of Dermatology (Coursework).

The Graduate Diploma in Cosmetic Dermatology program will be comprised of:

Core Subjects:

- CD I: Introduction to Cosmetic Dermatology (3CP)
- CD II: The Cosmetic Consultation (3CP)
- CD III: Surface Active Procedures (3CP)
- CD IV: Injectables (3CP)
- CD V: Muscle Relaxant and Dermal Filler Practical (3CP)
- CD VI: Surface Active Procedures Practical (3CP)

Elective Subjects: (Select 2)

Students must select and complete any 2 of the electives listed.

- CDE I: Post Acne and other forms of scarring (3CP)
- CDE II: Body sculpting (3CP)
- CDE III: Surgical management of hair loss (3CP)
- CDE IV: Management of lower limb venous disease (3CP)
- CDE V: The Business of Cosmetic Practice (3CP)

Pre/co-requisite Subjects:

Students will be required to have completed or be currently enrolled in the Graduate Certificate in Cosmetic Dermatology program.

Students will be required to complete a total of **24 core and elective subject credit points** to be awarded the qualification 'Graduate Diploma in Cosmetic Dermatology'. The minimum completion time for a student enrolled on a full time basis will be 2.0 semester (20 week semester).

The Graduate Certificate in Cosmetic Dermatology program will be comprised of:

Core Subjects:

- CD I: Introduction to Cosmetic Dermatology (3CP)
- CD II: The Cosmetic Consultation (3CP)
- CD III: Surface Active Procedures (3CP)
- CD IV: Injectables (3CP)

Pre/co-requisite Subjects:

Students will be required to have completed or be enrolled in the online course in basic EBM principles which is a subject aligned with the currently accredited ACD master of Dermatology (Coursework) program.

• RM I: Basic Elements of Evidence Based Medicine* (3CP)

Students will be required to complete a total of **12 subject credit points** to be awarded the qualification 'Graduate Certificate in Cosmetic Dermatology'. The minimum completion time for a student enrolled on a full time basis will be 1.0 semester (20 week semester).

* Students who, at the time of enrolling in the Graduate Certificate program, are required to enrol in RM I will complete a total of **15 subject credit points.**

Broad Course Learning Outcomes

Master of Cosmetic Dermatology (MCosDerm)

The MCosDerm curriculum has been developed in alignment with and taking into account the entry level of existing knowledge, clinical and professional skills which enrolees will have acquired by virtue of their completion of the ACD Fellowship training program and their ongoing experience as practicing specialists dermatologists.

All of the key learning outcomes, (at both course and subject level) are in alignment with the appropriate AQF Learning Outcome descriptors.

In addition to the course learning outcomes pertaining to the nested courses within this program, the Graduate Certificate and Diploma in Cosmetic Dermatology, students enrolled in the full MCos Derm program, will, on exit, be able to:

- **CLOM 1:** Critically assess and synthesise specialist medical dermatological knowledge of disease process, presentation and epidemiology in the domain of cosmetic dermatological practice.
- **CLMO 2:** Demonstrate a comprehensive understanding of the cosmetic consultation, patient selection and rights.
- **CLOM 3:** Critically analyse appropriate investigations to develop and justify well-reasoned diagnoses.
- **CLOM 4:** Evaluate results of investigations and then develop and assess effective management plans appropriate to the diagnosis and the patient's context
- **CLOM 5:** Critically apply specialist medical knowledge and diagnostic skills to develop best practice treatment options in cosmetic dermatology
- **CLOM 6:** Plan, design, execute and report on substantial research projects designed to maximise the use of an evidence based medicine approach to practice in the domain of cosmetic dermatology.
- **CLOM 7:** Analyse and draw inference from the results of complex research programs to inform cosmetic dermatological practice now and in the future.

Subject Specific Student Learning Outcomes

Each subject within the program will have additional subject specific outcomes in addition to the core course outcomes. Refer to the individual Subject Outlines for the associated student learning outcomes.

Graduate Diploma in Cosmetic Dermatology

Students enrolled in the GradDip CosDerm program, on completion will be able to:

- **CLOD 1:** Plan complex cosmetic treatment regimens to address specific conditions and/or criteria in relation to patient's conditions/presentations
- **CLOD 2:** Perform a range of complex cosmetic treatments appropriate to the specific conditions and/or criteria in relation to patient's conditions/presentations
- **CLOD 3:** Critically review patient outcomes.
- **CLOD 4:** Develop, monitor and/or manage further and/or ongoing treatment plans where appropriate
- **CLOD 5:** Demonstrate a wide range of skills in the use of injectable products to achieve maximum cosmesis in cosmetic dermatology patients
- **CLOD 6:** Demonstrate a wide range of skills in the use of surface active procedures to achieve maximum cosmesis in cosmetic dermatology patients

Subject Specific Student Learning Outcomes

Each subject within the program will have additional subject specific outcomes in addition to the core course outcomes. Refer to the individual Subject Outlines for the associated student learning outcomes.

Graduate Certificate in Cosmetic Dermatology

Students enrolled in the GradCert CosDerm program, on completion will be able to:

- **CLOC 1:** Demonstrate the development of an appropriate knowledge base in the field of Cosmetic Dermatology.
- **CLOC 2:** Demonstrate a comprehensive understanding of the cosmetic consultation, patient selection and rights.
- **CLOC 3:** Demonstrate a comprehensive understanding of the treatment options available to the cosmetic patient.
- CLOC 4: Utilise an evidence based approach to analysis of patient needs.
- **CLOC 5:** Formulate cosmetic treatment plans by synthesizing a detailed knowledge of facial anatomy and a comparison of treatment modalities.
- **CLOC 6:** Distinguish between cosmetic treatments by assessing their probable outcomes against potential risks.
- **CLOC 7:** Critically appraise current practice and/or research in the domain of cosmetic dermatology and its various sub-domains

Subject Specific Student Learning Outcomes

Each subject within the program will have additional subject specific outcomes in addition to the core course outcomes. Refer to the individual Subject Outlines for the associated student learning outcomes.

Curriculum Details: Full Nested Master of Dermatology in Cosmetic Dermatology Program*

Master of Cosmetic Dermatology (MCosDerm): Nested Curriculum		
Component	Content	Learning Outcomes
Graduate Certificate in	General Course Description	Broad Course Based Learning Outcomes:
Cosmetic Dermatology	The Graduate Certificate in Cosmetic Dermatology is a nested course within the MCosDerm program. It may be completed as a 'stand-alone' qualification and may be counted towards completion of the Graduate Diploma in Cosmetic Dermatology and the MCosDerm. It is comprised of 4 core subjects. All subjects are compulsory and must be completed fully and successfully to be granted the qualification 'Graduate Certificate: Cosmetic Dermatology'. The course has a strong focus on the principles, concepts and theory of cosmetic dermatology practice and will involve studies using an online format and virtual classroom teaching where appropriate. Additionally, students are required to have completed or be currently enrolled in at the commencement of the Graduate Certificate program, Research Methods I * (a foundation subject of the accredited ACD Master of Dermatology by coursework program).	CLOC 1: Demonstrate the development of an appropriate knowledge base in the field of Cosmetic Dermatology. CLOC 2: Demonstrate a comprehensive understanding of the cosmetic consultation patient selection and rights. CLOC 3: Demonstrate a comprehensive understanding of the treatment options available to the cosmetic patient. CLOC 4: Utilise an evidence based approach to analysis of patient needs. CLOC 5: Formulate cosmetic treatment plans by synthesizing a detailed knowledge of facial anatomy and a comparison of treatment modalities. CLOC 6: Distinguish between cosmetic treatments by assessing their probable outcomes against potential risks. CLOC 7: Critically appraise current practice and/or research in the domain of cosmetic dermatology

CD I: Introduction to Cosmetic	a. Introduction	Subject Specific Learning Outcomes
Dermatology	i. What is procedural and cosmetic dermatology?	
	1. Definition and Scope	On completion of this subject students will be able to:
	ii. Cutaneous anatomy	

handsomeness indicators v. The surface and beauty			skin of all types. SLO 4: Utilise the concepts of beauty and appearance in developing a comprehensive understanding of the aesthetic aspects of the anatomy of the face. SLO 5: Synthesise an in depth knowledge of cutaneous anatomy and the concepts of beauty and appearance to evaluate the ageing face. SLO 6: Demonstrate an in depth critical understanding of sexual dimorphism. SLO 7: Assess the impact of sexual dimorphism on individuals, their families and the practice of Cosmetic Dermatology. SLO 8: Critically reflect on current research and practice in Cosmetic Dermatology to inform practice.
vi. Facial movement, expressions, wrinkles and beauty vii. Volume and beauty			
vii. Volume and beauty CD II: The Cosmetic a. Patient assessment Subject Specific Learning Outcomes	CD III The Cosmolie	,	Subject Specific Legyping Outcomes

- Considerations including medical and family history, Fitzpatrick skin type, social constraints, and psychological status
- ii. Photography
- iii. Facial colour, texture, volume and form
- iv. Variations in the individual
 - Gender differences
 - Assessment measures (thirds, fifths, Phi), Facial shape, skin quality, role of facial expressions and movement
 - c. Regional differences eyes, face, hands, décolletage, neck
 - d. Skin colour
 - e. "Skin types"
 - f. Variations in basic skin care for variations in skin type
 - g. Age differences infants, menopause and elderly skin
- b. Treatment planning
 - i. Assessment
 - ii. Planning over time
 - iii. Constraints including costs, distance, social considerations, fears.
 - iv. Patient retention
 - c. Risk minimisation in Cosmetic Dermatology
 - v. Appropriate patient selection
 - vi. When not to proceed
 - vii. The process of consent
 - viii. Handling adverse events
 - ix. Working in a team

Evaluating new procedures and processes

- **SLO1:** Demonstrate a sound in-depth understanding of patient assessment considerations in the Cosmetic Dermatology consultation, Including medical and family history, personality, gender and generational issues, environmental considerations, and individual variations
- **SLO2**: Apply a comprehensive understanding of the cosmetic patient to develop comprehensive and effective skills in patient examination and assessment.
- **SLO3:** Synthesise a cosmetic patient assessment with detailed knowledge of cosmetic treatment principles and options to develop differential diagnoses of specific cosmetic dermatological conditions.
- **SLO4:** Create comprehensive treatment plans based on differential diagnoses of cosmetic dermatological conditions.
- **SLO5:** Apply an ethical framework to cosmetic dermatological practice including critical reflection on personal values and behaviours with reference to appropriate legislation and guidelines
- **\$LO6:** Evaluate new approaches and techniques from a risk perspective

CD III: Surface Active Procedures	Surface active procedures (including lasers, lights, RF, needling peels)	Subject Specific Learning Outcomes
	a. Lasers, lights and radiofrequency devices i. Physics	On completion of this subject students will be able to:
riocedores	a. Lasers, lights and radiofrequency devices	 On completion of this subject students will be able to: SLO1: Analyse the physics and safety of surface active procedures (SAPs) SLO2: Critically appraise techniques of skin rejuvenation, utilizing theories and concepts to analyse current practice. SLO3: Develop treatment plans based on current practice and patient history and presentation. SLO4: Compare and contrast surface active treatment options to develop surface active cosmetic treatment plans for specific skin conditions. SLO5: Demonstrate a comprehensive understanding of non-laser SAPs including photo-rejuvenation using visible and infrared light SLO6: Apply a comprehensive knowledge and understanding of skin care products to integrate their use with cosmetic treatment plans SLO7: Demonstrate an in-depth knowledge of the mechanisms of action, safety and efficacy profiles and common and serious side effects and contraindications of treatment with laser devices.
	 c. Other Non Laser surface active procedures i. Chemical Peeling a) Classification b) Benefits and risks of commonly used agents c) Uses ii. Dermabrasion iii. Microdermabrasion 	
	iv. Needling	

	y Padiofraguancy	
	v. Radiofrequency vi. Fine wire diathermy	
	vii. High Intensity focused ultrasound	
	d. Skin care, cosmetics, and cosmeceuticals	
	i. The building blocks of basic skin care	
	1. Cleansers	
	2. Toners and astringents	
	3. Moisturisers	
	ii. Photo-protective agents	
	iii. Cosmeceuticals	
	 Types of preparations 	
	 a. Vitamins and antioxidants 	
	b. Hydroxyacids	
	c. Retinoids	
	d. Peptides	
	e. Botanicals	
CD IV: Injectables	Injectables (neurotoxins and fillers)	Subject Specific Learning Outcomes
	a. Anaesthesia	On completion of this subject students will be able to:
	i. Topical agents	
	ii. Vibration, cooling and other aids	\$LO1: Examine anaesthetic considerations supporting
	iii. Nerve blocks	the use of injectables in cosmetic
	b. Neurotoxins (All these should not include treatment)	dermatological practice.
	i. Science of neurotoxins including mode of action in	SLO2: Analyse the characteristics and role of
	neuroglandular and neuromuscular junctions. Motor	Botulinum toxin in treating cosmetic conditions.
	end plates	\$LO3: Critically assess the characteristics and role of
	ii. Botulinum toxin – different serotypes and their	dermal fillers in treating cosmetic conditions.
	relevance, dose equivalence and claims and	SLO4: Formulate injectable treatment plans for the
	indications	cosmetic patient utilizing a comprehensive
	iii. Preparation for injection of toxins	understanding of the products to be used and
	iv. Indications – Glandular; hyperhidrosis and salivary	the risks associated with their use.
	glands (parotid and submandibular)	\$LO5: Formulate treatment plans for fat dissolving
		1
	v. Indications – Muscular: wrinkles and expression lines,	injections.
	microbotulinum injections	injections.
		injections.

i.	le augmentation Classification and introduction description of current tissue augmentation agents – fat, Ca hydroxyapatite, polylactic acid	
ii. iii. i∨.	Classification of hyaluronic acid products including different ways companies deal with different indications Injection techniques schematically (linear threading, retrograde, antegrade, fanning, feming, depot, tower Needles and cannulas - description, benefits and risks of each	
d. Oth i.	er injectables Fat dissolving substances	

Graduate Diploma in	General Course Description	Broad Course Based Learning Outcomes
Cosmetic Dermatology	The Graduate Diploma in Cosmetic Dermatology is a nested course within the MCosDerm program. It may be completed as a 'stand-alone' qualification* and may be counted towards completion of the MCosDerm. This nested course has a strong focus on clinical/practical aspects of the domain and is composed of compulsory subjects centred on cosmetic dermatological clinical practice and a set of 'Elective' subjects of which candidates must complete two. *The Graduate Certificate in Cosmetic Dermatology is a prerequisite for this course.	CLOD 1: Plan complex cosmetic treatment regimens to address specific conditions and/or criteria in relation to patient's conditions/ presentations CLOD 2: Perform a range of complex cosmetic treatments appropriate to the specific conditions and/or criteria in relation to patient's conditions/presentations. CLOD 3: Critically review patient outcomes. CLOD 4: Develop, monitor and/or manage further and/or ongoing treatment plans where
	NOTE: The Graduate Diploma in Cosmetic Dermatology is currently still under development	appropriate. CLOD 5: Demonstrate a wide range of skills in the use of injectable products to achieve maximum cosmesis in cosmetic dermatology patients. CLOD 6: Demonstrate a wide range of skills in the performance of surface active procedures to achieve maximum cosmesis in cosmetic dermatology patients.
Compulsory CD V: Muscle Relaxant and Dermal Filler Practical —	This course is a clinically based practical course requiring candidates to complete a specified number cosmetic dermatological procedures pertaining to the use of muscle relaxants and dermal fillers. (TBA) Assessment will be via work-placed observational competency based observational assessment and log-book submission.	Subject Specific Learning Outcomes On completion of this subject students will be able to: SLO 1: Demonstrate appropriate skills in the conduct of initial patient assessment. SLO 2: Demonstrate appropriate skills in the performance of the following procedures associated with anaesthesia including but not limited to: • Topical agents • Nerve blocks • Other agents

		SLO 3: Demonstrate appropriate skills in the performance of the following procedures associated with use of neurotoxins including but not limited to: • Selection of appropriate toxin • Preparation of injection of toxins • Injection for a range of indications including but not limited to; glandular, muscular and pain SLO 4: Demonstrate appropriate skills in the performance of the following procedures associated with use of tissue augmentation including but not limited to: • Injection techniques: • Linear threading • Retrograde/antegrade • Fanning • Ferning • Depot • Tower • Needles and cannulas • Other injectables
Compulsory CD VI: Surface active procedure Practical	This course is a clinically based practical course requiring candidates to complete a specified number cosmetic surface active procedures. (TBA) Assessment will be via work-placed observational competency based observational assessment and log-book submission.	Subject Specific Learning Outcomes On completion of this subject students will be able to: SLO 1: Demonstrate appropriate skills in the conduct of initial patient assessment. SLO 2: Demonstrate appropriate skills in the performance of the following procedures associated with the use of surface active procedures including but not limited to: • Lasers, lights and radiofrequency devices

Wigible light and intense pulsed
 Visible light and intense pulsed
light o Non-ablative infrared
o Fractionated photothermolysis
Ablative re-surfacing Transfer and a stranger
 Treatment of extrafacial and skin of colour
Photodynamic therapy Transfer and a first alice and distance.
Treatment of specific skin conditions
such as:
o Skin cancers
Sun damaged skin Atrophia gapa saggring
Atrophic acne scarring Response and facial anthoma
Rosacea and facial erythemaPigmentation disorders
o Tattoo removal O Others as listed within the
curriculum specific section for the Graduate Certificate in
Cosmetic Dermatology
SLO 3: Demonstrate appropriate skills in the performance of the following procedures
associated with the use of non laser surface
active procedures including but not limited to:
Chemical Peels
Criemical Feels Dermabrasion / Microdermabrasion
Demandson / Microdemandson Needling
<u> </u>
RadiofrequencyFine wire diathermy
SLO 4: Demonstrate appropriate skills in the
application and/or performance of the
following procedures associated with skin
care and the use of cosmetics and
cosmeceuticals including but not limited to:

		 Skin care agents such as toners, astringents and moisturisers Photo-protective agents Cosmeceuticals including: Vitamins and antioxidants Hydroxyacids Retinoids Peptides Botanicals
Elective CDE I: Post Acne and other forms of scarring	Post acne and other forms of scarring i. The importance of acne and post acne scarring ii. Classification and assessment of post acne scarring iii. Management of atrophic scarring iv. Management of hypertrophic and keloidal scarring	Subject Specific Learning Outcomes On completion of this subject students will be able to: SLO 1: Demonstrate knowledge and understanding of the issues surrounding acne scarring including clinical and psychological considerations. SLO 2: Assess and classify acne post scarring SLO 3: Develop treatment regimens acne scarring SLO 4: Develop management plans for the ongoing treatment of acne scarring
Elective CDE II: Body Sculpting	 a. Liposculpture and fat transplantation i. Indications ii. Equipment iii. Anaesthesia iv. Safety considerations v. Area analysis b. Non invasive body sculpting technologies: i. Cryolypolisis, ii. RF, iii. Lasers. c. Skin tightening technologies (ultrasound, RF Lasers) 	Subject Specific Learning Outcomes On completion of this subject students will be able to: SLO 1: Demonstrate a depth of knowledge and understanding of the theoretical background to liposculture, fat transfer, non-invasive methods of body sculpting and skin tightening technologies SLO 2: Demonstrate skills in the selection of and application/use of various body sculpting technologies

		SLO 3: Analyse and plan treatment regimens based on a patients needs/presentation SLO 4: Develop management plans for the ongoing treatment and monitoring of outcomes
Elective CDE III: Surgical Management of Hair Loss	Hair surgery/transplantation i. Indications and contraindications ii. Described techniques iii. Future directions	Subject Specific Learning Outcomes On completion of this subject students will be able to: SLO 1: Demonstrate a depth of knowledge and understanding of the theoretical background to hair loss and its surgical management SLO 2: Demonstrate skills in the selection of and application/use of surgical techniques SLO 3: Analyse and plan treatment regimens based on a patients needs/presentation SLO 4: Critically examine and appraise future directions in these techniques.
Elective CDE IV: Management of Lower Limb Venous Disease	Advanced Procedural Dermatology – Phlebology and Microsclerotherapy. This subject is divided into two sections, Phlebology and advanced application of techniques used for treatment of venous issues, namely, Microsclerotherapy. Phlebology involves the diagnosis and treatment of venous and lymphatic disorders, including spider veins, varicose veins, chronic venous insufficiency, venous leg ulcers, congenital venous abnormalities, venous thromboembolism and other disorders of venous and lymphatic origin. In broad terms it includes the prevention, diagnosis, treatment and rehabilitation of patients with venous diseases and venous malformations.	Subject Specific Learning Outcomes On completion of this subject students will be able to: SLO 1: Demonstrate a depth of knowledge and understanding of the theoretical background to the management of lower limb venous disease SLO 2: Diagnose common venous diseases/presentations SLO 3: Apply commonly used diagnostic techniques to diagnose SLO 4: Identify thrombophilia and hypercoagulable states

	Microsclerotherapy is a specific technique employed to treat some of the conditions listed above, especially spider veins on the legs. The broad content areas covered are: Phlebology: Venous hypertension and its complications Pathophysiology of varicose veins and telangiectasias Diagnostic techniques CW-Doppler competency Principles of duplex ultrasound Thrombophilia and hypercoagulable states Diseases with telangiectatic manifestations Vessel classification Indications and contra-indications for sclerotherapy Sclerosing agents Pharmacokinetics and pharmacodynamics of sclerosing agents Sclerotherapy Ultrasound guided sclerotherapy Endovenous laser ablation Medical and ethical aspects of sclerotherapy Infection control Advanced Interventional Techniques -Microsclerotherapy: Preparation and visualization Adverse sequelae Post injection care	SLO 5: Demonstrate a knowledge of the commonly used sclerosing agents and their application SLO 6: Select appropriate sclerosing agent dosage (sodium tetradecyl sulfate and polidocanol based) SLO 7: Demonstrate a knowledge and understanding of indications, contraindications of ultrasound guided sclerotherapy and endovenous laser ablation SLO 8: Correctly select patients who will benefit from sclerotherapy/microsclerotherapy. SLO 9: Demonstrate understanding of appropriate compression therapy SLO 10: Demonstrate an understanding of mitigation strategies to minimise/prevent complications arising from sclerotherapy.
Elective CDE V: The Business of cosmetic practice	 a) Leadership and Strategy b) Business and Marketing Planning c) Risk and Compliance d) People Management e) Customer Service f) Manage a Cosmetic Dermatology Practice 	Subject Specific Learning Outcomes On completion of this subject students will be able to:

i. Cost containment ii. Point of sale skin care iii. Website iv. Staff excellence/performance v. Patient engagement	 SLO 1: Demonstrate a depth of knowledge and understanding of the background to operating a cosmetic practice SLO 2: Critically analyse a business/marketing plan (Ideally that of the students own practice) SLO 3: Develop, implement and analyse a risk assessment and management plan (ideally for the students own practice) SLO 4: Create a customer service survey which could be used in their own practice SLO 5: Develop, implement and analyse a staff performance review plan.
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Masters in Cosmetic Dermatology.

General Course Description

The complete Master's program curriculum is comprised of the foundational nested components detailed above, completion of studies in research methodology* and the completion of a minor research project. It 'pulls together' the theoretically focused Graduate Certificate program and the clinically/practically focused Graduate Diploma program to underpin and focus on the development of an understanding of, and skills in the domain of emerging cosmetic dermatological science and practice through studies in research methods and the conduct of scientific enquiry (Evidence Based medicine). They will graduate equipped to apply this in making more informed decisions on the efficacy of current practice and research, future directions and, making a positive contribution to advancing dermatological understanding in the area of cosmetic practice.

They will be equipped to apply knowledge, understanding and skills in making more informed decisions on the efficacy of current practice and research, future directions and, making a positive contribution to advancing dermatological understanding in the area of cosmetic practice.

Students enrolled under the 'opt-in' mode will not be permitted to enrol in the Master's program until they have:

- Successfully completed the both nested components qualifications (Graduate Certificate and Diploma in Cosmetic Dermatology or,
- Been granted RPL for one or both of the above listed qualifications.

Broad Course Based Learning Outcomes

- **CLOM 1:** Critically assess and synthesise specialist medical dermatological knowledge of disease process, presentation and epidemiology in the domain of cosmetic dermatological practice.
- **CLOM 2:** Demonstrate a comprehensive understanding of the cosmetic consultation, patient selection and rights.
- **CLMO 3:** Critically analyse appropriate investigations to develop and justify well-reasoned diagnoses.
- **CLOM 4:** Evaluate results of investigations and then develop and assess effective management plans appropriate to the diagnosis and the patient's context
- **CLOM 5:** Critically apply specialist medical knowledge and diagnostic skills to develop best practice treatment options in cosmetic dermatology
- **CLOM 6:** Plan, design, execute and report on substantial research projects designed to maximise the use of an evidence based medicine approach to practice in the domain of cosmetic dermatology.
- **CLOM 7:** Analyse and draw inference from the results of complex research programs to inform cosmetic dermatological practice now and in the future.

^{*} The ability to conduct effective and reliable research rests in a sound understanding of the principles of conducting research.

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	Students must complete 3 research methodology subjects as well as propose a suitable research question, conduct a literature review, design/select and implement a suitable methodology. They must then analyse, draw inferences from and report on the data in a suitable manner. (Minor thesis of between 10K and 15K words). Details of the course aims are provided elsewhere in this document.	
RM I: Research Methods Fundamentals	General Subject Description/Outline	Subject Specific Learning Outcomes
runaamentais	The subject is supported by the online content/resource module "Research Methods I – Introduction to Evidence Based	On completion of this subject students will be able to:
	Medicine" and focuses on an introduction to EBM and its common principles.	sLO 1: Demonstrate a basic understanding of the role of EBM in modern medical research and understand the 'hierarchy of evidence'.
	The subject introduces the student to the basic knowledge required to understand and appreciate the concepts used in	SLO 2: Demonstrate a knowledge of the key terms and concepts involved in EBM
	medical research and medical publications. It provides a stepping stone to the more demanding materials presented in Research Methodology II and III.	sto 3: Demonstrate an awareness of the basic statistical tools commonly used in medical research
	Each of the sections covered in this subject deals with the topics	SLO 4: Apply basic statistical tools appropriately in simple situations
	in a non-mathematical way. The subject covers the following broad concepts and principles of Evidence based medicine.	SLO 5: Apply experimental design and sampling techniques to hypothetical situations
	Refer to the online content module for a complete listing of	sto 6: Select and apply appropriate designs and sampling techniques
	topics that will be covered during teaching sessions. The broad areas covered include:	\$LO 7: Critically evaluate medical research papers at a basic level
	 Overview of the concept of evidence based medicine and its role is modern medical practice An A to Z of commonly used terms and concepts and 	
	their meanings and/or application	

	 Basic statistical approaches and tools commonly used in research. Topics covered in an introductory way include parametric and non-parametric statistical approaches, basic analysis. Techniques and Quality of Life Assessment as a tool in research Experimental design including simple explanations of some of the more commonly utilized Experimental design types. Among those included are Randomised Double Blind Trials, Cohort Studies and Case –Control studies, to list a few. Basic concepts of sampling techniques. The basics of evaluation of studies. It provides an introduction to the pitfalls inherent in the interpretation of published research papers and results. 	
RM II: Biostatics	The subject is supported by the online content/resource module "Research Methods II – Biostatics" This subject will expand on the concepts introduced in the Research Methods I course and deal with more advanced concepts. The broad goal is to become more confident with the critical analysis of a published research and papers. In addition, students will be embarking on a research project of their own, and therefore this course will help prepare them with a deeper understanding of research methodology. The broad areas covered in this subject will include: • Epidemiological studies • Evidence hierarchy • Common types of study • Biostatistics	Subject Specific Learning Outcomes On completion of this subject students will be able to: SLO 1: Demonstrate a clear understanding of the types of Epidemiological studies. SLO 2: Critically analyse and effectively evaluate research papers and reports. SLO 3: Demonstrate an understanding of, and ability to calculate important bio-statistical metrics including, Odds Ratio, Relative Risk, Number Needed to Treat, and Absolute Risk Reduction. SLO 4: Demonstrate a deep and thorough understanding of P value and the 95% confidence interval. SLO 5: Demonstrate the ability to calculate sensitivity, specificity, positive predictive value, and negative predictive value in regard to

	Types of error	SLO 6: Demonstrate the principles and application of
	 Statistical power 	likelihood ratios and ROC curves.
	o RR and OR	SLO 7: Demonstrate an ability to address problems
	 Interpreting clinical studies 	with study design, including sample sizes,
	 Sample size etc. 	proper randomisation, intention to treat, post
	o Bias	hoc subgroup analysis etc.
	 Systematic bias 	SLO 8: Prepare a suitable research proposal for a
	Selection bias	minor project.
	 Information bias 	
	o Confounding	
	 Internal/external validity 	
	o minorital validity	
	Students will also be expected to prepare a research proposal	
	for a minor project for approval by the ACD Academic Research	
	Committee. It will need to:	
	Comminded to	
	outline the research question, evaluate the importance	
	of and/or current understanding of the issue and	
	 outline the approach/methodology to be adopted to 	
	further knowledge, understanding and/or practice in the	
	field.	
RM III: Advanced Techniques	General Subject Description/Outline	Subject Specific Learning Outcomes:
and Issues in Evidence Based	General subject Description/Outline	Subject specific redfilling Outcomes.
Medicine	The subject is supported by the online content/resource module	On completion of this subject students will be able to:
Medicine		On completion of this subject students will be able to.
	"Research Methods III – Advanced Techniques and Issues in Evidence Based Medicine"	CIO 1. De menotrata a elegar un deratan dina et rele et
	Evidence Based Medicine	SLO 1: Demonstrate a clear understanding of role of
		ethics in medical research.
	This subject focuses principally on Ethics and Conflict of Interest	SLO 2: Critically analyse and effectively evaluate
	as they relate to the conduct and reporting of research and the	research papers and reports.
	publication/distribution of research findings in medical journals,	SLO 3: Analyse and develop strategies to strengthen
	other professional fora and the world wide web.	reporting of observational studies
		SLO 4: Identify and assess the effectiveness of
	Some important principles covered in detail include:	strategies to minimise conflicts of interest in
	 Publication Bias (eg., in meta-analysis, systematic review 	medical research
	etc.),	

•	Ghost writing in medicine (un-acknowledged assistance	
	with writing) and how this lack of knowledge can be	
	addressed	

• The role and influence (often negative) on medical research through the involvement of allied groups such as pharmaceutical companies is covered through the detailed study/analysis of case studies.

Other key areas covered in this subject include:

- Restoring Invisible and Abandoned Trials (RIAT)
- COHORT and STROBE initiatives
- All Trials and other ethical dilemmas

Considerable attention is also be given to how to detect and minimize these issues through discussion and analysis of appropriate research papers.

RP 900: Minor Research Project

The subject requires the successful completion of a minor research project.

Students will be required to:

- Identify the area of research
- Present in the first instance a research question to the Academic Research Committee (ARC)
- Present a detailed research proposal to the ARC for ratification
- Conduct the research under the supervision of a suitably qualified appointed principle supervisor (Refer to the ACD Masters Regulations).
- Meet regularly with the appointed supervisor(s).
- Complete, in concert with supervisor(s), a progress report at the end of semesters 2 and 3
- Complete and present for assessment a written report (Minor Thesis) within the timeframe of the course (Full time/part time as appropriate) of not less than 10,000

Subject Specific Learning Outcomes

On completion of this subject students will be able demonstrate the development and application of skills at an appropriate level in:

- **SLO 1:** Identification of an appropriate research project
- **SLO 2:** Development and enunciation of a clear research question
- **SLO 3:** Investigation and critical analysis of the current literature
- **SLO 4:** Understanding of the issue(s) aligned with the research question and its impact/baring on the proposed research project
- **SLO 5:** Identification and implementation of an appropriate methodology

nor more than 15,000 words (including tables and charts) The subject learning outcomes to the right provide a guide as to the processes/steps to be followed. A full description of the requirements of this subject is provided in the ACD Masters Regulations Policy Document.	SLO 6: Appropriate analysis and presentation of any data collected SLO 7: Completion of a well-structured, coherent written report (Thesis) based on the findings and their impact on current and future dermatological knowledge and/or practice in the specific domain of cosmetic dermatology.

Student Wellbeing

The Australasian College of Dermatologists recognizes and acknowledges the need to provide students participating in their educational courses with full, accurate and timely access to information and services that support their overall progression, wellbeing, safety and satisfaction within an environment that promotes the safety of and respect for and between all participants.

To this end the College has policies and procedures in place to address broad key issues which may impact on their experience whilst studying including but not limited to:

- ensuring equal opportunities for all students,
- factors that affect wellbeing such as:
 - o social, financial, cultural and educational/learning support
- safety and respect in the workplace
- access to remedies for grievances and complaints

The key broad policies currently in place and/or undergoing development or revision include:

- Academic Awards Framework
- Academic Freedom
- Access and Equity
- Reasonable adjustment
- Candidate in Difficulty
- RPI
- Special Consideration
- Religious Observance
- Mentorina
- Assessment
- Appeals
- Complaints and Grievances
- Academic Misconduct
- Critical Incidents
- Bullying, Discrimination and Harassment

The College also provides access to a range of other services through a 'Support Services' webpage on the Colleges' website including:

- An externally provided Employee Assist Program (Converge international) which provides such services as:
 - o Private and confidential workplace and personal support
 - Counselling
 - Crisis management
- Targeted handouts for issues related to:
 - Mindfulness
 - Strategies for managing stress
- Doctors' health and wellbeing support services including:
 - Australian Doctors' Health Network

- State based Health Commissioners
- Advocacy services of the AMA

Further information relating to ensuring student wellbeing with respect to teaching and learning specifically, can be read in Section 9 (Supervision, Education and Training) of the College's Professional Code of Ethics for its Fellows* and by accessing the pages covering Education and general College Policies on the College website

* Teaching and learning activities for courses offered by the College are conducted by suitably qualified Fellows of the College.

Resources for Students

A key source of content based material and supporting resources is provided for students, through access to the College e-Learning portal via their own private and protected accounts.

Other resources, specific to the individual program component subjects are listed in the Subject Outlines for each subject. They include but are not limited to:

- journal papers centred on topics pertinent to the subject,
- research reports and data,
- case studies specific to the subject,
- access to simulated clinical cases
- online seminar/presentation recording and.
- chapter readings/study from suggested/recommended texts. (Note, such listing will be updated from time to time)
- video recordings of procedural sessions and virtual teaching sessions where appropriate
- image databases
- case databases

Curriculum Development

The College fosters a quality approach to teaching and learning in all programs it offers.

To ensure the quality, currency and validity of the curriculum on which this program is based and that the content, concepts and ideas presented in this program of study are reached and maintained, the course has been developed with reference to:

- Input from Subject matter experts eg., currently practicing specialist in the area of Cosmetic Dermatology (A Steering committee of practicing specialist cosmetic dermatologists who hold academic posts within tertiary medical education institutions).
- Benchmarking against other similar recognized programs of study and reference groups both National and International in respect of topic areas, content and key expected learning outcomes, include:
 - o AMC Standards for Specialist Medical Training
 - Medical Board of Australia Guidelines
 - o Australasian College of Aesthetic Medicine;
 - American Academy of Dermatology

- o American Society of Dermatological Surgeons
- Cardiff University Dermatology
- o American Academy of Aesthetic Medicine
- Manchester University Dermatology program
- Stanford/Tufts University Certificate (Aesthetics)

The College has in place a number of mechanisms for gathering, analyzing and acting upon information relating to the curriculum, the courses offered, and the teaching and support resources in order to ensure their ongoing currency and quality.

Quality and currency is established and maintained through evaluation and review by teaching and education staff, steering and workforce committees as well as external SMEs of:

- Curriculum
- Course and subjects (Content and instructional design)
- Teaching skill and performance
- Teaching and learning resources

Information is gathered via:

- Regular stakeholder surveys
- Student exit surveys
- Focus groups (Teachers and students)
- Scheduled reviews of all teaching resources
- Internal and external audits
- Internal and External SMEs
- Risk assessment

The information from these surveys is reported to, and acted upon, by academic governance committees within the College, The most significant of these from an academic perspective, is the Academic Standards Committee (incorporating the National Education, the National Examiners and the National Training committees).

Glossary of Terms

CLOC: Course Learning Outcome – Graduate Certificate in Cosmetic

Dermatology

CLOD: Course Learning Outcome – Graduate Diploma in Cosmetic Dermatology

CLOM: Course Learning Outcome – Master of Cosmetic Dermatology

Opt-in Mode: Enrolment in Full Masters program

Opt-out Mode: Enrolment in a nested component course

SLO: Subject Specific Learning Outcome

Revision History

Version 1.4c 2017: Version submitted to TEQSA 2016/17

Version 1.4d 2018: Current version. General revisions including details regarding course/subject development quality control and College approval.

Version 1.5 2018: Clarification of subject credit point structure

Version 1.7-8: May 2018 minor corrections.

Version 1.9: July 2018 clarification of component listings for the Graduate Diploma level course, minor revisions of wording

Version 2.0: March 2023 Minor changes – additions of information on student wellbeing and resources