

THE AUSTRALASIAN COLLEGE
OF DERMATOLOGISTS

Training Program Curriculum Overview

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The ACD Dermatology Training Program

The ACD Dermatology Training Program aims to prepare trainees to become specialist dermatologists who integrate their knowledge of the relevant clinical and medical sciences with their mastery of procedural skills to deliver highly professional care to the wider community. Graduates of this program will be deemed competent and safe to practise and function effectively, ethically and professionally within the specialty of Dermatology.

The Training Program Curriculum

The ACD Dermatology Training Program Curriculum has been designed as an integrated, trainee-centred, outcomes-based approach in line with modern curriculum research and practice, and contemporary teaching and learning theory. It provides a framework which specifies the knowledge, skills and application of knowledge and skills that trainees need to learn, demonstrate and be assessed on, to determine their competence to practise as specialist dermatologists.

The Curriculum is an essential reference for trainees and all clinical teachers and supervisors involved in the ACD's Dermatology Training Program. The Curriculum is also a guide for interested members of the medical and wider communities regarding the purposes and learning outcomes of the ACD's Dermatology Training Program.

The Curriculum is designed to:

- provide a clear statement of essential knowledge, skills and application of knowledge and skills that the trainee is expected to demonstrate to fulfil the requirements of the Dermatology Training Program
- provide a clear statement of expected and measurable learning outcomes
- provide a clear statement of appropriate and effective assessment strategies designed to provide trainees with feedback on their performance and progress with regards to the learning outcomes
- provide the basis for selecting the most appropriate learning and teaching strategies for trainees and clinical teachers.

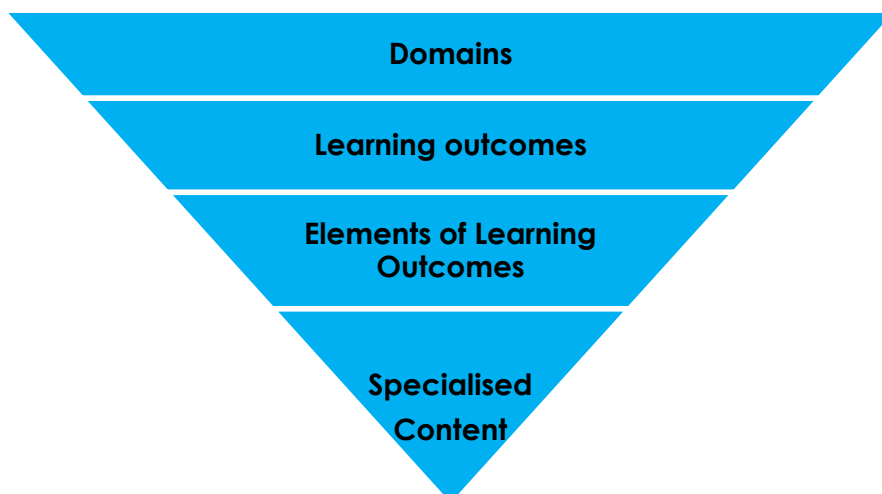
Broad Learning Objectives (BLO)

Graduates of the ACD Dermatology Training Program will be able to:	
BLO 1	Synthesise, evaluate and apply relevant knowledge of clinical sciences and pharmacology underpinning dermatological practice
BLO 2	Critically assess patients, by generating an accurate history and through a systematic and comprehensive clinical examination
BLO 3	Critically assess and synthesise specialist medical dermatological knowledge of disease process, presentation and epidemiology to develop effective differential diagnoses
BLO 4	Critically analyse the need for and use of appropriate investigations to develop and justify well-reasoned clinical diagnoses

BLO 5	Evaluate results of investigations and employ clinicopathologic correlation to then develop and assess effective management plans appropriate to the diagnosis and the patient's context
BLO 6	Critically apply specialist medical knowledge and diagnostic skills to develop best practice treatment options in procedural dermatology
BLO 7	Synthesise anatomical understanding of the skin and underlying soft tissues with technical skills in the performance of dermatological procedures using aseptic technique
BLO 8	Evaluate methods and processes to optimise post-procedural haemostasis and wound healing
BLO 9	Evaluate the needs of diverse patients, colleagues and communities, including Aboriginal and Torres Strait Islander Australians and culturally and linguistically diverse populations, in order to provide and promote the most appropriate health care
BLO 10	Design and deliver safe, high quality health care and research according to ethical codes of practice and legal obligations
BLO 11	Lead and manage health care amongst colleagues and the community with good judgment, discernment and self-management
BLO 12	Plan, execute and report on substantial research projects in specialty dermatology fields

Training Program Curriculum Components

The new curriculum framework has been structured in the following four levels, each with increasing level of detail:



Domains

The four domains are critical areas of knowledge, skills and application of knowledge and skills that are fundamental to the practice of dermatology. The four domains are:

1. Clinical Sciences and Pharmacology
2. Medical Dermatology
3. Procedural Dermatology
4. Professional Qualities

Note: These match with Part I and Part II of the old Curriculum.

Learning Outcomes

There are 25 learning outcomes which span the four Curriculum Domains. Learning outcomes are statements of what learners are expected to know, understand and apply, by the end of the training program. Each learning outcomes is linked to a specific Broad Learning Outcome.

Elements of Learning Outcomes

The Elements of Learning Outcomes are an elaboration of the learning outcomes through grouped performance indicators. For example, Learning Outcome 5 (Assess a patient's condition through a systematic and comprehensive patient examination) has seven elements including:

- Assess examination environment
- Prepare patient for examination
- Examine the skin.

Specialised Content Topic Areas

The Specialised Content Topic Areas ("Topics") are individual disorders or treatment modalities, or groups thereof. The learning outcomes and elements of learning outcomes are to be applied to every Topic. Each Topic elaborates on particularities for that condition or procedure in addition to the general indicators of the learning outcome.

The Training Program Curriculum

The following table lists the contents of the Training Program Curriculum.

Educational framework	
	Introduction to the Australasian College of Dermatologists
	Overview of the Training Program
	The ACD Dermatology Training Program
	Dermatology Training Program curriculum components
	Curriculum domains and learning outcomes
	Map of broad learning objectives and outcomes
	Teaching and learning requirements of the ACD Training Program
	Dermatology Training Program assessment map
	Resource list
	Guide to acronyms used in the Curriculum
Domain 1: Clinical Sciences and Pharmacology	
	Clinical Sciences
	Pharmacology

Domain 2: Medical Dermatology	
	Fundamentals of Clinical Practice in Dermatology (FOCPD)
	Communication
	History taking
	Informed consent
	Patient examination
	Clinical decisions and diagnoses
	Evidence-based medicine (research methodology)
	Treatment management plans
	Specialised Content Topic Areas
	Eczema/Dermatitis
	Psoriasis
	Papulosquamous disorders
	Exanthems
	Drug eruptions and reactions
	Erythroderma
	Urticaria, erythema, purpura and vasculitis
	Emergency dermatology
	Developmental disorders/hamartoma
	Benign skin neoplasms
	Premalignant and malignant neoplasms
	Infections
	Adnexal diseases
	Pigmentary disorders
	Infestations, bites and stings
	Autoimmune connective tissue disease/rheumatologic dermatology and auto-inflammatory syndromes
	Vesiculobullous diseases

	Disorders of hair
	Disorders of nails
	Disorders of sweat glands
	Oral diseases
	Anogenital diseases
	Disorders due to physical agents
	Lymphoproliferative and myeloproliferative disorders
	Non-infectious neutrophilic and eosinophilic dermatoses
	Histiocytoses
	Mastocytosis syndromes
	Disorders of macrophages (non-infective granulomas)
	Disorders of dermal connective tissue
	Disorders of subcutaneous fat
	Vascular system disorders
	Lymphatic system disorders
	Genodermatoses
	Skin signs in patients with systemic disease
	Skin signs in patients with paraneoplasia
	Metabolic and systemic disorders
	Psychocutaneous diseases
	Dermatoses of specific populations
	Skin disorders of Aboriginal and Torres Strait Islander peoples
	Dermatoses of the elderly
	Paediatric dermatology
	Dermatoses in pregnancy
	Patients with skin of colour

Domain 3: Procedural Dermatology	
	Fundamentals of Procedural Practice in Dermatology (FOPPD)
	Pre-procedure assessment and informed consent
	Anatomy
	Local anaesthetics and analgesics
	Instruments, materials, equipment
	Aseptic technique
	Perform procedure
	Haemostasis
	Wound dressing and wound healing
	After-care and follow-up
	Surgical complications
	Procedures – Specialised Content Topic Areas
	Surgery
	Biopsy
	Curettage
	Incision, drainage and exteriorisation
	Wedge excision
	Elliptical excision
	Skin flaps
	Skin grafts
	Regional repair options
	Scar revision
	Physical therapies
	Phototherapy
	Photodynamic therapy
	Lasers and light devices
	Cryotherapy

	Electrosurgery
	Iontophoresis
	Cosmetic procedures
	Soft tissue augmentation
	Skin resurfacing
	Botulinum toxins
	Miscellaneous
	Antibiotics
	Topicals
	Injectables
	Specialised procedures
	Nail procedures
	Mohs micrographic surgery
	Radiotherapy
	Phlebology
	Advanced cosmetic procedures
Domain 4: Professional Qualities	
	Communication
	Cultural competency
	Health advocacy
	Quality and safety
	Ethics
	Leadership and management
	Research, Teaching and Learning (scholarship)

Curriculum Domains and Learning Outcomes

Domain 1: Clinical Sciences and Pharmacology

The Clinical Sciences and Pharmacology domain covers the fundamental knowledge, skills and behaviours of Clinical Sciences and Pharmacology which are deemed essential to the safe and effective day to day practice of Dermatology. This domain is considered essential knowledge for Domain 2: Medical Dermatology and Domain 3: Procedural Dermatology.

Learning outcome (LO):

LO 1 Develop, apply and maintain the relevant knowledge base of theoretical and practical clinical sciences and pharmacology underpinning the practice of dermatology.

Domain 2: Medical Dermatology

The Medical Dermatology domain outlines the core knowledge, skills and behaviours essential to the safe and effective practice of clinical Dermatology.

The Fundamentals of Clinical Practice in Dermatology (FOCPD) constitute key learning outcomes that are applicable to all topic areas in Medical Dermatology. The FOCPD outlines the foundation principles required to effectively evaluate and manage all patients.

Learning outcomes – Fundamentals of Clinical Practice in Dermatology (FOCPD):

LO 2 Develop a therapeutic relationship with the patient and carers as appropriate.

LO 3 Generate a comprehensive relevant history from the patient and carers, as appropriate.

LO 4 Create an appropriate context for informed consent.

LO 5 Assess a patient's condition through a systematic and comprehensive patient examination.

LO 6 Formulate sound clinical decisions and differential diagnoses through the application of dermatological knowledge and skills to both the assessment of a patient's condition and appropriate diagnostic investigations.

LO 7 Evaluate evidence-based medicine and relevant research methodology in clinical, case-based dermatology.

LO 8 Create, implement and evaluate effective treatment management plans, taking into account the patient's condition and context.

Domain 3: Procedural Dermatology

The Procedural Dermatology domain outlines the core knowledge, skills and behaviours essential to the safe and effective practice of dermatological procedures.

The Fundamentals of Procedural Practice in Dermatology (FOPPD) constitute key learning outcomes that are applicable to all procedures in Procedural Dermatology. The FOPPD outlines the foundation principles required for the safe and effective practice of dermatological procedures.

Learning outcomes – Fundamentals of Procedural Practice in Dermatology (FOPPD):

- LO 9** Evaluate a patient's condition before performing dermatological procedures, including creating context for informed consent from the patient and/or appropriate carer(s), in accordance with current legislation.
- LO10** Develop a thorough anatomical understanding of the skin and underlying soft tissues and apply this knowledge base to the performance of dermatological procedures.
- LO 11** Evaluate local anaesthetics and analgesics relevant to safe and effective dermatological procedures.
- LO 12** Evaluate instruments, materials and equipment to perform dermatological procedures safely and effectively.
- LO 13** Generate safe and effective preparations for dermatological procedures using aseptic technique.
- LO 14** Develop appropriate technical skills in the performance of safe and effective dermatological procedures.
- LO 15** Optimise haemostasis through applied knowledge of the physiological haemostatic process and appropriate pre-operative, intra-operative and post-operative skills and techniques.
- LO 16** Evaluate wounds and wound dressings to optimise post-procedural wound healing.
- LO 17** Comprehensively design and implement after-care and follow-up post-procedural plans and procedures.
- LO 18** Evaluate and design mitigating measures for post-operative complications following dermatological procedures.

Domain 4: Professional Qualities

The Professional Qualities domain outlines key professional knowledge, skills and behaviours in the provision of high-quality care for patients. Professional qualities are normally learned and taught in conjunction with Medical and Procedural Dermatology, through trainees' involvement in everyday clinical practice. This domain underpins the practice of Medical and Procedural Dermatology (Domains 2 and 3).

Learning outcomes:

- LO 19** Develop effective communication with patients, their family and/or carers, other health care professionals and the community.
- LO 20** Evaluate the impact of culture on health outcomes in order to act sensitively to the needs of Aboriginal and Torres Strait Islander patients and patients from culturally and linguistically diverse backgrounds.
- LO 21** Advocate for health and for disease prevention with individuals and communities.
- LO 22** Design and deliver quality and safety standards to ensure patients receive safe, high quality care.
- LO 23** Evaluate ethical frameworks in clinical practice and research, including critical reflection on personal values and behaviours in the context of relevant legislation.
- LO 24** Evaluate the context of health care to lead and manage colleagues and the community.
- LO 25** Participate in dermatological research, building own dermatological knowledge and skills as well as contributing to the dermatological knowledge base and the understanding of patients, carers and other health care professionals.

Assessments

Trainees undertake a series of assessments during their training to ensure they meet the required standard of performance in all aspects of dermatological practice. There are two types of assessment: formative and summative assessments.

Formative assessments are educational and developmental evaluations of trainees' competencies which occur throughout training and contribute to their learning. The formative assessments in the ACD Training Program are Work-based Assessments (WbAs), which are conducted in the day-to-day clinical setting. WbAs test performance of everyday practice through direct observation.

Summative assessments are formal evaluations of a trainee's performance conducted at set times during the Training Program. Trainee performance is assessed against a number of standards relating to clinical knowledge and skills as well as professional qualities.

Acknowledgements

The Dermatology Training Program Curriculum 2016 builds on the significant achievements of the previous 2008 and 2010 editions of the Dermatology Training Program Curriculum.

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