

Appendix A

Medical Graduate Profile

Medical Graduate Profile and Sub Outcomes

<i>Theme 1: Human Health and Disease</i>		
<i>Sub Outcome Area</i>	<i>Sub Outcome Number</i>	<i>Sub Outcome Description</i>
1. Understands the scientific basis of health and disease	S1.1	Understands the molecular, cellular, tissue, organ and system organisation of the human body
	S1.2	Understands the relationship between structure and function of cells, tissues, organs and systems
	S1.3	Demonstrates the ability to observe and interpret aberrant structure and dysfunction of cells, tissues, organs and systems using correct terminology
	S1.4	Describes the pathogenesis and clinical manifestations of a range of specific common diseases
	S1.5	Understands the use of common therapeutic interventions in health care
THEME 1		
2. Understands the relevance of basic science to the clinical setting	S2.1	Demonstrates knowledge of the applicable basic science in common clinical presentations
	S2.2	Demonstrates the ability to develop a differential diagnosis based on interpretation of clinical manifestations, laboratory tests and other investigational technology
	S2.3	Demonstrates the ability to select and interpret appropriate diagnostic investigations
	S2.4	Demonstrates an understanding of the evolution of the scientific and evidence-based approach to clinical practice
THEME 1		
3. Understands the role of technology in medicine	S3.1	Demonstrates understanding of role of technology utilised in laboratory and other investigational methods
	S3.2	Demonstrates understanding of technology used in patient monitoring and eliciting clinical signs
	S3.3	Understands the role of information technology as a resource for diagnosis, prescribing and monitoring within clinical practise
THEME 1		
4. Demonstrates the ability to systematically elicit and interpret clinical symptoms and signs	S4.1	Demonstrates the ability to take a systematic history in all clinical settings
	S4.2	Demonstrates the ability to examine a patient on both a regional and a systems basis

THEME 1		
5. Demonstrates the ability to perform clinical procedures, especially those required in life saving situations	S5.1	Demonstrates the ability to perform all clinical procedures outlined in the "clinical procedures" section of the learning portfolio document
THEME 1		
6. Understands the limitations to scientific knowledge	S6.1	Understands that medical science knowledge is rapidly evolving and requires frequent critical review
	S6.2	Understands the current limitations in the scientific understanding of disease processes and therapeutic approaches
	S6.3	Understands the role and contribution of medical science to overall concepts of health and disease in individuals and populations
	S6.4	Understands the effect that social, mental and spiritual factors have on health and disease
<i>Theme 2: Communication & Collaboration</i>		
7. Demonstrates an understanding of the therapeutic relationship between patient and doctor	S7.1	Understands and manages issues of boundaries between patient and doctor
	S7.2	Demonstrates respect for patients' differing cultures and values, and understands how these effect the therapeutic relationship
	S7.3	Understands and applies concepts of patient confidentiality
	S7.4	Understands the potential therapeutic effect of the medical consultation process
	S7.5	Understands the importance of the role of doctor as patients' advocate (acting in the patient's best interest)
THEME 2		
8. Demonstrates appropriate and effective communication skills in a variety of settings	S8.1	Demonstrates appropriate communication skills in consultations / interviews with patients, their families and their carers
	S8.1.1	Demonstrates the ability to open (including establishing rapport), control and close a consultation
	S8.1.2	Demonstrates the ability to identify the ideas, concerns and expectations of patients, their families and carers
	S8.1.3	Demonstrates the ability to consult appropriately with children, adolescents, persons with an intellectual disability and with more than one patient at a time
	S8.1.4	Demonstrates the use of the following communication skills: open and closed questioning, active listening, reflecting, silence, empathy, summarising, clarifying
	S8.1.5	Demonstrates appropriate non-verbal communication
	S8.1.6	Demonstrates the ability to break bad news appropriately
	S8.1.7	Demonstrates the following skills in patient

		education: providing information, aiding understanding, achieving shared understanding
	S8.1.8	Demonstrates counselling skills relevant to a medical consultation
	S8.2	Demonstrates the ability to access, record, organise and present information particularly through technology based activity
	S8.2.1	Demonstrates the ability to produce a written case history for acute and chronic, and physical and mental health problems
	S8.2.2	Demonstrates the ability to write a referral letter
	S8.2.3	Demonstrates the ability to write a discharge letter
	S8.2.4	Demonstrates the ability to present a case in a clinical setting (eg ward round, case conference, verbal referral)
	S8.2.5	Demonstrates the ability to record and input health information electronically
	S8.2.6	Demonstrates the ability to present information and concepts in written format, particularly using standard formats for reports and papers
	S8.2.7	Demonstrates the ability to present information and concepts verbally (includes the use of Power Point)
	S8.2.8	Understands the role of telemedicine and its application in health care
THEME 2		
9. Demonstrates the ability to work collaboratively with colleagues in the healthcare team setting	S9.1	Understands theoretical concepts of teamworking
	S9.2	Demonstrates the ability to work in teams with other medical students / doctors
	S9.3	Demonstrates the ability to work in a multi-disciplinary team
THEME 2		
10. Understands the principles of providing a leadership role, where appropriate, to health care teams	S10.1	Understands theoretical concepts of leadership
	S10.2	Identifies the application of leadership skills in a health care team environment
<i>Theme 3 Community Health & Disease</i>		
11. Understands the Australian health Care System including its funding, planning and major national priorities and contrasts this with the global context of healthcare provision.	S11.1	Understands the major principles of a universal health care system
	S11.2	Understands the roles and operation of Medicare.
	S11.3	Understands how Australian health services are funded.
	S11.4	Understands the roles and operation of the HIC, PBS, MBS
	S11.5	Understands the roles of, and differences between public and private health care systems in Australia
	S11.6	Understands the national health priorities, how they are defined, and how they are interpreted at State / Territory level
	S11.7	Understands the major Australian Government health care programs and policies
	S11.8	Compares and contrasts the Australian health care system with those in SE Asia, Europe, and North America

	S11.9	Understands the role of consumers and consumer groups in the design, development and delivery of health care.
THEME 3		
12. Understands the social, political, economic, environmental, cultural and spiritual factors that impact upon the health of individuals and communities	S12.1	Understands competing definitions of health (including the WHO definition of health) and their relevance to 21 st century Australia
	S12.2	Understands the principles of primary health care
	S12.3	Critically appraises health-related political policies
	S12.4	Understands the role of health professional and consumer bodies in relation to improving the health of individuals and communities
	S12.5	Applies an understanding of an individual' s social, economic, environmental, cultural and spiritual context in the construction of a management plan.
	S12.6	Understands the relationships between the natural and built environment and the health of individuals and communities
THEME 3		
13. Understands the principles involved in the effective utilisation of hospital and community based resources and networks	S13.1	Understands the burden of disease upon populations
	S13.2	Describes the factors which affect hospital usage
	S13.3	Describes the methods used by hospital services to cost and ration their services
	S13.4	Understands the divisions of labour in hospital and community health service delivery in terms of medical, nursing and allied health workforce
	S13.5	Understands the roles of community based / charitable organisations in the provision of healthcare
	S13.6	Understands the scope of community based health care in Australia and its connection to mainstream tertiary care services
	S13.7	Understands how integration between health services and networks in hospital and the community can effect outcomes of care
THEME 3		
14. Understands the various roles of the doctor in health promotion, health maintenance, disease prevention and treatment at both population health and individual patient levels	S14.1	Understands the evidence base for changing behaviour in both patients and clinicians
	S14.2	Understands the concepts of health promotion, health maintenance and disease prevention
	S14.3	Understands the role of doctors in treating individual patients and understands the difference in approach between curative, health maintenance and palliative treatment
	S14.4	Understands the role of doctors in health promotion and disease prevention at the individual patient level
	S14.5	Understands public and population health approaches to health care
	S14.6	Understands the role of the doctor as the patient's advocate
THEME 3		
15. Demonstrates an understanding of	S15.1	Identifies and accesses the major sources of

knowledge generation and application through community based research and education programmes.		knowledge and information available to medical practitioners working in community health care
	S15.2	Understands the means by which medical practitioners can engage with their community in research and education programs – including the identification of barriers and strategies to overcome these
	S15.3	Understands methods that allow interaction with other health professionals in the community around research and education collaboration
THEME 3		
16. Understands the special needs of certain communities including access and equity issues	S16.1	Understands the socio-cultural perspectives of health and health care needs of Aboriginal and Torres Strait Islanders
	S16.2	Understands the difference in the health status of rural and remote living Australians compared with those in urban and outer metropolitan areas
	S16.3	Understands the cultural practices of non-Western people around traditional healing methods and practices
	S16.4	Understands how the context of the health care setting influences clinical practice)
<i>Theme 4 Personal & Professional Development</i>		
17. Demonstrates a commitment to compassionate, professional and ethical behaviour	S17.1	Understands and applies bioethical principles and concepts in discussions of clinical cases
	S17.2	Demonstrates the ability to gain informed consent for medical procedures
	S17.3	Demonstrates an understanding of the role of ethics committees and ethical guidelines in bio-medical and social research
THEME 4		
18. Demonstrates the ability to recognise ones own strengths and weaknesses and to be open to assistance from others when needed	S18.1	Demonstrates the ability to critique their own performance
	S18.2	Demonstrates the ability to recognise the limitations of their own expertise in caring for a patient
	S18.3	Demonstrates the ability to refer a patient when appropriate
THEME 4		
19. Understands the legal responsibilities of a medical practitioner	S19.1	Demonstrates the ability to analyse a clinical case drawing upon both legal and ethical responsibilities
	S19.2	Understands and applies the concept of duty of care
	S19.3	Demonstrates the ability to create and defend a reasoned position upon ethical issues throughout the life cycle (fertility and assisted reproduction, termination of pregnancy, caring for two patients in the antenatal setting, adolescence, onset of impairment, death and dying)

	S19.4	Understands substituted decision making
	S19.5	Understands the provision of medical indemnity
	S19.6	Understands the Mental Health Act and legal responsibilities associated with the delivery of public health
THEME 4		
20. Understands the need for respect of the inherent dignity of every human being and demonstrates its relevance to medical practice	S20.1	Demonstrates the ability to explore their own reactions to patients with physical and mental disability, social disadvantage, ageing and death in terms of the normative aspects of health, and their own personal value system.
THEME 4		
21. Understands the principles of quality improvement, risk management and patient safety	S21.1	Understands the concepts of, and standards regarding, open disclosure and safety and quality principles in terms of trust, ethics, and systems
	S21.2	Demonstrates the ability to undertake quality improvement activities
THEME 4		
22. Demonstrates personal, organisational and time management skills	S22.1	Understands concepts of stress, and applies strategies for self care
	S22.2	Understands and applies time management skills
THEME 4		
23. Demonstrates a commitment to lifelong learning, self-appraisal and reflection	S23.1	Understands and applies concepts of reflective practice
	S23.2	Demonstrates ability to define their own learning needs in a given situation
<i>Theme 5 Integration</i>		
24. Demonstrates and ability to apply critical and creative thinking to a range of problems	S24.1	Creates and defends reasonable, individualised differential diagnoses for a variety of patient presentations.
	S24.2	Creates and defends reasonable, situational, cost-effective investigation plans for a variety of patient presentations.
	S24.3	Enunciates and defends appropriate ethical positions in relationship to proposed actions in a variety of clinical situations.
THEME 5		
25. Demonstrates an ability to integrate and synthesise disparate material to arrive at the most appropriate solution to a problem	S25.1	Understands the principles of evidence-based healthcare, health economics, and decision analysis
	S25.2	Demonstrates the ability to identify their own information needs, and devises appropriate search strategies to address them .
	S25.3	Demonstrates an ability to critically review scientific and clinical literature and apply it to patient care.
	S25.4	Demonstrates the ability to appropriately prioritise patients' problems
THEME 5		
26. Demonstrates the ability to develop, in consultation, an appropriate patient-centred management plan	S26.1	Enunciates the extent and limitation of contributions by other health professionals to the management of a given patient.

	S26.2	Outlines appropriate medical interventions for a variety of patient presentations, in various clinical settings.
	S26.3	Integrates hospital discharge, referral, investigations, rehabilitation planning, and patient review into patient management plans as appropriate.
THEME 5		
27. Demonstrates an understanding of the principles of medical research and its application	S27.1	Understands methodologies underlying major research approaches from experimental basic to population-based investigations (quantitative and qualitative)
	S27.2	Understands and applies statistical approaches to the level required to extract and apply data to clinical settings
THEME 5		
28. Demonstrates information literacy skills	S28.1	Recognises the need for information in given situations
	S28.2	Demonstrates the ability to find information, particularly through electronic sources
	S28.3	Demonstrates the ability to critically evaluate information
	S28.4	Demonstrates the ability to manage information
	S28.5	Demonstrates the ability to synthesise new information with existing information to create new understanding