

**Caring for the Adult Undergoing Electro
Convulsive Therapy**

Module Details	
Module Code:	n/a
Full Title:	Caring for the Adult Undergoing Electro Convulsive Therapy APPROVED
Valid From::	Semester 2 - 2022/23 (January 2023)
Language of Instruction:	English
Duration:	1 Semester
Credits::	10
Module Owner::	Myles Hackett
Departments:	Nursing Midwifery & Early Years
Module Description:	no description provided

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	Module Learning Outcome Description
MLO1	Integrate and synthesize knowledge of the role of the nurse in ECT and to demonstrate the knowledge and skills required to assess, plan, implement and evaluate the care of a service user undergoing a programme of ECT.
MLO2	Critically discuss the knowledge, skills and professional behaviours required in the management of the risks of ECT and anaesthesia for patient safety and the competences to manage a patient's recovery needs post anaesthesia and integrate and synthesize knowledge of anaesthesia and the care of the service user who has had an anaesthetic.
MLO3	Interpret and implement new and existing knowledge through evidence-based practices of the professional, legal and ethical aspects of ECT administration and the principles of research, best practice, quality improvement and audit in relation to ECT.
MLO4	Demonstrate knowledge and skills concerning implications of the risks of ECT and anaesthesia for patient safety and the competences to manage a patient's recovery needs post anaesthesia and demonstrate the ability to discuss the principles of research, best practice, quality improvement and audit in relation to ECT.
MLO5	Synthesize new knowledge to enhance the practitioners ability to recognise and interpret abnormal clinical observations and the procedure of reporting them to relevant personnel and synthesize new knowledge and skills required to undertake intermediate life support.
MLO6	Integrate and synthesize knowledge to inform and educate service users and their family regarding purpose and benefit of ECT and critically discuss the knowledge, skills and professional behaviours of the merits of ECT as a therapeutic treatment and the wider debate surrounding the use of ECT;
MLO7	Critically appraise the proposed neurobiological mechanisms responsible for the therapeutic effects of ECT.
Pre-requisite learning	
Module Recommendations <i>This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named DkIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).</i>	
No recommendations listed	

Module Indicative Content	
Electro Convulsive Therapy Introduction to ECT, the role of the Nurse in ECT, the clinical indications for ECT, the practical applications of ECT.	
Communication Communication skills and Psychological Preparation of service user for ECT, as well as including the use of MECCs, the Brief Psychiatric rating scale and the Montreal Cognitive assessment.	
Law and Ethics The legal underpinning of practice for ECT and the ethical considerations pertaining to ECT as a therapy for the Nurse and the service user. Inclusion of the Assisted Decision Making Capacity act.	
Biological Considerations (Old heading) Aspects of Anaesthesia, physical and psychological preparation of the service user for anaesthesia and ECT. Neurobiology and pathophysiology.	
Proposed Neurobiological Mechanisms Neurophysiological theory (changes in cerebral blood flow, regional metabolism, blood brain barrier, EEG). Neurobiochemical theory (changes in hormones, neurotransmitters, epigenetics, neurotrophic factors, immune system). Neuroplasticity theory (changes in brain volume, functional connectivities).	
Service User Considerations Service users' perspective of ECT, peer advocacy, service user education about ECT.	
Professional Issues Promoting Evidence based practice and promotion of ECT among staff	
Skills training Assessment of cardiac and respiratory systems, cognitive Assessment of service user pre and post ECT, Intermediate Life Support and venipuncture and cannulation.	
Module Assessment	
Assessment Breakdown	%
Course Work	40.00%
Practical	60.00%
Module Special Regulation	

Assessments

Part Time On Campus			
Course Work			
Assessment Type	Continuous Assessment	% of Total Mark	40
Marks Out Of	100	Pass Mark	40
Timing	S1 Week 10	Learning Outcome	1,3,4,6
Duration in minutes	0		
Assessment Description Case Study			
No Project			
Practical			
Assessment Type	Practical/Skills Evaluation	% of Total Mark	60
Marks Out Of	100	Pass Mark	40
Timing	S1 Week 13	Learning Outcome	1,2,5,6
Duration in minutes	0		
Assessment Description OSCE			
Assessment Type	Practical/Skills Evaluation	% of Total Mark	0
Marks Out Of	0	Pass Mark	0
Timing	End-of-Semester	Learning Outcome	1,2,3,4,5,6,7
Duration in minutes	0		
Assessment Description Completion of 2 weeks in theatre setting, one week in anaesthetics/theatre, and one week in recovery. Participate in the nursing care of 6 adults undergoing ECT			
No Final Examination			
Reassessment Requirement			
No repeat examination <i>Reassessment of this module will be offered solely on the basis of coursework and a repeat examination will not be offered.</i>			

Module Workload

This module has no Full Time On Campus workload.

Workload: Part Time On Campus

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Practical	Contact	Face to face sessions in the lab	Every Month	2.00	8
Online Contact	Contact	No Description	Every Week	3.00	3
Directed Reading	Non Contact	Directed Study	Every Week	5.00	5
Independent Study	Non Contact	Student responsibility to organize and manage own study space and time and commitment to supplement classroom input with additional reading and interpretative reflection	Every Week	9.00	9
				Total Weekly Learner Workload	19.00
				Total Weekly Contact Hours	5.00

Module Resources

Recommended Book Resources

Lynn S Bickley, Lynn S. Bickley. (2016), Bates' Guide to Physical Examination and History Taking, 12th. [ISBN: 9781451175646].
Nicol Ferrier, I. and Waite, J. (2019), The ECT Handbook, 4th. Chapter 2: Mechanism of action of ECT, Cambridge University Press, p.241, [ISBN: 978-1911623168].

Recommended Article/Paper Resources

Ryan, K.M. and McLoughlin, D.M. (2018), From molecules to mind: Mechanisms of action of electroconvulsive therapy, Acta Psychiatrica Scandinavica, 138, p.177, <https://focus.psychiatryonline.org/doi/pdf/10.1176/appi.focus.17104>
Singh, A. and Kar, S.K. (2017), How electroconvulsive therapy works?: Understanding the neurobiological mechanisms, Clinical Psychopharmacology and Neuroscience, 15 (3), p.210, <https://doi.org/10.9758/cpn.2017.15.3.210>
Valadas, M.T. and Braganca, M. (2017), Electroconvulsive therapy's mechanisms of action: A review, Clinical Neuropsychiatry, 14 (2), p.159, https://www.researchgate.net/publication/316511719_Electroconvulsive_therapy's_mechanisms_of_action_A_review

Other Resources

Web site, Royal College of Psychiatrists. (2020), ECT Accreditation Service (ECTAS) Standards for the administration of ECT, London, <http://file:///C:/Users/Aine%20Farrelly/OneDrive%20-%20Dundalk%20Institute%20of%20Technology/Taught%20Graduate%20Folder/ECT/final-draft-ectas-standards-15th-editiona382f463378b4d3b932b9ff41af23a08.pdf>
Web site, Mental Health Commission. (2021), The Administration Of Electro-Convulsive Therapy in Approved Centres: Activity Report 2020, Dublin, <https://www.mhcirl.ie/sites/default/files/2021-12/ECT-Report-2020.pdf>
Web site, Mental Health Commission. (2016), Rules Governing the Use of Electro-Convulsive Therapy, Dublin, <https://www.mhcirl.ie/sites/default/files/2021-01/Rules%20Governing%20the%20Use%20of%20Electro-Convulsive%20Therapy.pdf>
Web site, Government of Ireland. (2001), Mental Health Act 2001, Dublin, <https://www.irishstatutebook.ie/eli/2001/act/25/enacted/en/html#:~:text=Mental%20Health%20Act%2C%202001%20%20Section%20,etc.%2C%20of%20person.%20%203%20more%20rows%20>