



Point sur recommandations sur crise prolongée lors d'une séance ECT

Préambule : ce document a été élaboré à des fins pédagogiques dans le cadre du DIU Pratique de l'électroconvulsivothérapie et stimulation magnétique transcrânienne – année 2024.

<https://sante.univ-nantes.fr/loffre-de-formation/formation-continue/diu-pratique-de-lelectroconvulsivothérapie-et-stimulation-magnétique-transcranienne>

Définition

Crise épileptique prolongée, avec ou sans signes moteurs, > 120 secondes (recommandations anglo-saxonnes) ou > 180 secondes (recommandations américaines). Rare (1–2 % des cas)

NB : crise adéquate EEG : au moins 20-25 sec + critères qualitatifs

Causes

Age jeune, début des ECT, arrêt brutal des BZD, prise de drogues pro-convulsivantes (caféine, théophylline), lithium, ATCD d'épilepsie ou activité EEG paroxystique, hyperventilation pré-ECT, hyponatrémie, dosage ECT proche du seuil épileptogène

Evolution/complications:

Confusion et agitation post-ECT, troubles mnésiques, état de mal épileptique

Traitements/CAT (selon le contexte)

Poursuivre oxygénation, réadministrer anesthésiques ou BZD demi-vie courte, restimuler

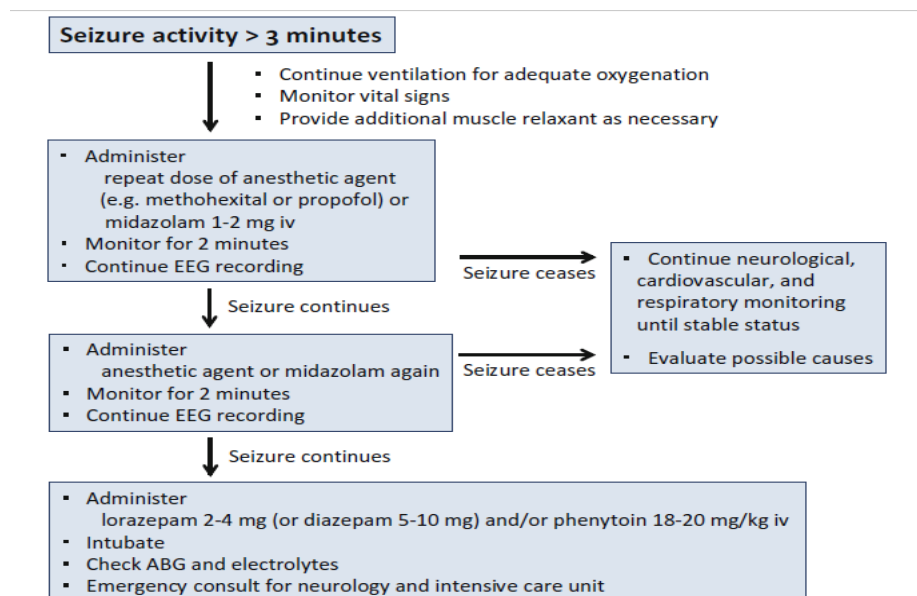


Fig. 6.1 Algorithm for management of prolonged seizures. *iv* intravenous, *EEG* electroencephalogram, *ABG* arterial blood gas

Algorithm pour le management des crises prolongées, tiré du livre « Anesthesia Management for Electroconvulsive Therapy Shigeru Saito Department of Anesthesiology Gunma University Graduate School of Medicine Maebashi Japan »



Références utiles

Aftab A, VanDercar A, Alkhachroum A, LaGrotta C, Gao K. Nonconvulsive Status Epilepticus After Electroconvulsive Therapy: A Review of Literature. *Psychosomatics*. 2018 Jan-Feb;59(1):36-46. doi: 10.1016/j.psych.2017.07.005. Epub 2017 Jul 15. PMID: 28802513

American Psychiatric Association Committee on Electroconvulsive Therapy. The practice of electroconvulsive therapy: Recommendations for treatment, training, and privileging. 2nd ed. Washington, DC: American Psychiatric Association; 2001.

Avramov MN, Husain MM, White PF. The comparative effects of methohexital, propofol, and etomidate for electroconvulsive therapy. *Anesth Analg*. 1995;81:596-602.

Bailine SH, Petrides G, Doft M, Lui G. Indications for the use of propofol in electroconvulsive therapy. *J ECT*. 2003;19:129-32.

Cristancho MA, Alici Y, Augoustides JG, O'Reardon JP. Uncommon but serious complications associated with electroconvulsive therapy: recognition and management for the clinician. *Curr Psychiatry Rep*. 2008;10:474-80.

Krystal AD. Managing the ECT seizure. In: Mankad MV, Beyer JL, Weiner RD, Krystal AD, editors. *Clinical manual of electroconvulsive therapy*. Arlington: American Psychiatric Publishing, Inc.; 2010. p. 149-57.

Lowenstein DH, Alldredge BK. Status epilepticus. *N Engl J Med*. 1998;338:970-6.

Pande AC, Shea J, Shettar S. Effect of hyperventilation on seizure length during electroconvulsive therapy. *Biol Psychiatry*. 1990;27(7):799-801.

Reti IM, Krishnan A, Podlisky A, Sharp A, Walker M, Neufeld KJ, et al. Predictors of electroconvulsive therapy postictal delirium. *Psychosomatics*. 2014;55:272-9.

Tsujii T, Uchida T, Suzuki T, Mimura M, Hirano J, Uchida H. Factors Associated With Delirium Following Electroconvulsive Therapy: A Systematic Review. *J ECT*. 2019 Dec;35(4):279-287

Recommandations internationales les plus récentes

American Psychiatric Association (APA) Guidelines 2001
<https://ajp.psychiatryonline.org/doi/10.1176/appi.ajp.159.2.331>

National Institute of Clinical Institute Excellence Guidelines (United Kingdom) 2003 Last updated: 01 October 2009
<https://www.nice.org.uk/guidance/ta59>

The Royal College of Psychiatrists (UK) Position Paper on ECT 2017
https://www.rcpsych.ac.uk/docs/default-source/about-us/who-we-are/electroconvulsive-therapy---ect-ctee-statement-feb17.pdf?sfvrsn=2f4a94f9_2

Guidelines in Germany on the use of ECT
<https://link.springer.com/article/10.1007/s00406-020-01099-x#:~:text=The%20German%20guideline%20strongly%20recommend,was%20not%20successful%20%5B23%5D.>

Canadian Psychiatric Association
https://www.cpa-apc.org/wp-content/uploads/ECT-CPA_position_paper_27-revision_1-web-EN.pdf

Royal Australian and New Zealand College of Psychiatrists Clinical Memorandum #12 Electroconvulsive Therapy (revised 2006)
<https://www.ranzcp.org/clinical-guidelines-publications/clinical-guidelines-publications-library/electroconvulsive-therapy-ect>

Electroconvulsive Therapy: ECT Minimum Standard of Practice in NSW
https://www1.health.nsw.gov.au/pds/ActivePDSDocuments/PD2011_003.pdf

Guideline for the Administration of Electroconvulsive Therapy Published by the State of Queensland (Queensland Health), March 2017
+++ https://www.health.qld.gov.au/_data/assets/pdf_file/0028/444763/guideline-administration-electroconvulsive-therapy.pdf