Australian Pregnancy Register
for Women on Antiepileptic Medication

1800 069 722 | www.apr.org.au

Principal Investigator: Prof Frank Vajda AO
Research Coordinators: Ms Janet Graham & Ms Alison Hitchcock

Journal Articles

Contemporary management of epilepsy in pregnancy
O'Brien TJ, Vajda FJ
Aust N Z J Obstet Gynaecol, 2000 Nov; 40 (4):413-5

The Australian registry of anti-epileptic drugs in pregnancy: experience after 30 months:
Frank J. Vajda, Terence J. O'Brien, Alison Hitchcock, Janet Graham, Cecilie Lander;
Journal of Clinical Neuroscience (2003) 10(5), 543-549

Critical relationship between sodium valproate dose and human teratogenicity: results of the Australian register of anti-epileptic drugs in pregnancy: Frank J. Vajda, Terence J. O'Brien, Alison Hitchcock, Janet Graham, Mark Cook, Cecilie Lander, Mervyn Eadie;
Journal of Clinical Neuroscience (2004)

Maternal valproate dosage and foetal malformations: Vajda FJ, Eadie MJ
Acta Neurol Scand. 2005 Sep; 112 (3): 137-43

Should valproate be taken during pregnancy?
Eadie MJ, Vajda FJ
Ther Clin Risk Manag.2005 Mar; 1(1):21-6

Foetal malformations and seizure control: 52 months data of the Australian Pregnancy Registry: F.J.E Vajda, A. Hitchcock, J. Graham, C. Solinas, T.J. O'Brien, C.M Lander M.J. Eadie; European Journal of Neurology 2006, 13: 645- 654

Pregnancies in women with epilepsy: FJE Vajda, T O Brien, J Graham, A Hitchcock, C Lander, M Eadie; J R Coll Physicians Edinb 2006; 36: 201-207

Changing Australian prescribing patterns for antiepileptic drugs in pregnancy and their possible consequences: F.J.E Vajda, C.M Lander, A. Hitchcock, J. Graham, C. Solinas, T.O'Brien, M.J. Eadie;
Journal of Clinical Neuroscience (2007 Jul;14) 611-617

The Australian antiepileptic drug in pregnancy register: aspects of data collection and analysis: Vajda FJ, O'Brien T, Hitchcock A, Graham J, Lander C, Eadie M;
Journal of Clinical Neuroscience (2007) Oct; 14 (10):936-42

The Australian Register of Antiepileptic Drugs in Pregnancy: The first 1002 pregnancies; Frank J.E. Vajda, Alison Hitchcock, Janet Graham, Terence O'Brien, Cecilie Lander and Mervyn Eadie;
Australian and New Zealand Journal of Obstetrics and Gynaecology 2007; 47: 468-474

Seizure control in antiepileptic drug-treated pregnancy: Frank J.E. Vajda, Alison Hitchcock, Janet Graham, Terence O'Brien, Cecilie Lander and Mervyn Eadie; Epilepsia 49(1):172-175, 2008

The internal control group in a register of antiepileptic drug use in pregnancy:
Frank J.E. Vajda, Terence O'Brien, Alison Hitchcock, Janet Graham, Cecilie Lander and Mervyn Eadie; Journal of Clinical Neuroscience 15 (2008) 29-35

Australian Pregnancy Register
for Women on Antiepileptic Medication

1800 069 722 | www.apr.org.au

Principal Investigator: Prof Frank Vajda AO
Research Coordinators: Ms Janet Graham & Ms Alison Hitchcock

The teratogenic risk of antiepileptic drug polytherapy
Vajda FJ, Hitchcock AA, Graham J, O'Brien TJ, Lander CM, Eadie MJ.
Epilepsia.2010 May; 51(5):805-10

Changing Patterns of antiepileptic drug use in pregnant Australian women
Vajda FJ, Hollingworth S, Graham J, Hitchcock AA, O'Brien TJ, Lander CM, Eadie MJ.
Acta Neurol Scand.2010 Feb; 121(2):89-93

Is lamotrigine a significant human teratogen? Observations from the Australian Pregnancy Register.
Vajda FJ, Graham JE, Hitchcock AA, O'Brien TJ, Lander CM, Eadie MJ.
Seizure.2010 Nov; 19(9):558-61

The Australian Pregnancy register of Antiepileptic Drugs: 10 years of progress
Vajda FJ
J Clin Neurosci.2010 Dec; 17(12):1485-8

Foetal malformations after exposure to antiepileptic drugs in utero assessed at birth and 12 months later: Observations from the Australian Pregnancy Register
Vajda FJ, Graham J, Hitchcock AA, O'Brien TJ, Lander CM, Eadie MJ.
Acta Neurol Scand.2011 Jul; 124(1):9-12

The rationale for pregnancy registers for women with epilepsy.
Vajda FJ, O'Brien TJ, Lander CM, Eadie MJ
Med J Aust. 2011 Jul 4; 195(1):8-9

The prescribing of antiepileptic drugs for pregnant Australian women
Vajda FJ, Horgan D, Hollingworth S, Graham J, Hitchcock AA, Roten A, O'Brien TJ, Lander CM, Eadie MJ. Aust N Z J Obstet Gynaecol.2012 Feb; 52(1):49-53

Teratogenicity of the newer antiepileptic drugs- The Australian experience
Vajda FJ, Graham J, Roten A, Lander CM, O'Brien TJ, Eadie MJ.
J Clin Neurosci.2012 Jan; 19(1):57-9

Teratogenesis in repeated pregnancies in antiepileptic drug-treated women
Vajda FJ, O'Brien TJ, Lander CM, Graham J, Roten A, Eadie MJ.
Epilepsia.2013 Jan; 54(1):181-6

Associations between particular types of foetal malformation and antiepileptic drug exposure in utero.
Vajda FJ, O'Brien TJ, Graham J, Lander CM, Eadie MJ.
Acta Neurol Scand.2013 Oct; 128(4):228-34

Dose dependence of foetal malformations associated with valproate
Vajda FJ, O'Brien TJ, Graham JE, Lander CM, Eadie MJ.
Neurology.2013 Sep 10; 81(11):999-1003

Effect of antiepileptic drug therapy on the unborn child
Vajda FJ J Clin Neurosci.2014 May; 21(5):716-21

Prediction of the hazard of foetal malformation in pregnant women with epilepsy
Vajda FJ, O'Brien TJ, Graham J, Lander CM, Eadie MJ.
Epilepsy Res. **2014** Aug; 108(6): 1013-7.

Australian Pregnancy Register
for Women on Antiepileptic Medication

1800 069 722 | www.apr.org.au

Principal Investigator: Prof Frank Vajda AO
Research Coordinators: Ms Janet Graham & Ms Alison Hitchcock

The efficacy of the newer antiepileptic drugs in controlling seizures in pregnancy.
Vajda FJ, O'Brien T, Lander C, Graham J, Eadie M
Epilepsia.**2014** Aug; 55(8):1229-34

The Australian Register of antiepileptic drugs in pregnancy: changes over time in the epileptic population
Vajda FJ, O'Brien TJ, Graham J, Lander CM, Eadie MJ.
J Clin Neurosci.**2014** Sep; 21(9):1478-82

The teratogenicity of the newer antiepileptic drugs- an update
Vajda FJ, O'Brien TJ, Lander CM, Graham J, Eadie MJ
Acta Neurol Scand.**2014** Oct; 130(4):234-8

The Clinical pharmacology of traditional antiepileptic drugs
Vajda FJ, Eadie MJ
Epileptic Disord.**2014** Dec; 16(4):395-408.

The outcomes of pregnancy in women with untreated epilepsy
Vajda FJ, O'Brien TJ, Graham J, Lander CM, Eadie MJ.
Seizure.**2015** Jan; 24:77-81.

Valproate still has a place in women with epilepsy
Perucca P, O'Brien TJ, Eadie M, Vajda FJ
Epilepsia.**2015** Jul; 565(7):1175-6.

Is carbamazepine a human teratogen?
Vajda FJ, O'Brien TJ, Graham J, Lander CM, Eadie MJ.
J Clin Neurosci.**2015** Oct; 27

Eadie MJ and Vajda F Antiepileptic drugs and Pregnancy: A Guide for Prescribers
Adis Springer **2015**

Does pregnancy per se make epilepsy worse?
Vajda FJ, O'Brien TJ, Lander CM, Graham J, Eadie MJ
Acta Neurol Scand.**2016** May**;** 133(5):380-383

Antiepileptic drug combinations not involving valproate and the risk of fetal malformations
Frank J E Vajda, Terence O'Brien, Cecilie m Lander, Janet Graham, Mervyn J Eadie
Epilepsia **2016** Jul; 57(7): 1048-1052

Antiepileptic drugs, foetal malformations and spontaneous abortions
F.J.E Vajda, T.J O'Brien, J.E Graham, A.A Hitchcock, C.M Lander
Acta Neurol Scand. **2017** Mar; 135(3):360-365

Maternal and fetal outcomes associated with vagus nerve stimulation during pregnancy
Anne Sabers, Dina Battino, Erminio Bonizzoni, John Craig, Dick Lindhout, Emilio Perucca, Sanjeev V Thomas, Torbjorn Tomson, Frank Vajda
Epilepsy Research 137 **(2017)** 159-162

Australian Pregnancy Register
for Women on Antiepileptic Medication

1800 069 722 | www.apr.org.au

Principal Investigator: Prof Frank Vajda AO
Research Coordinators: Ms Janet Graham & Ms Alison Hitchcock

Antiepileptic drug exposure and risk of foetal death in utero
F.J.E Vajda, T.J O'Brien, J.E Graham, A.A Hitchcock, C.M Lander
Acta Neurol Scand. **2017** Aug

The role of ethnicity on pregnancy outcomes in women with epilepsy: The need for specific research: Epilepsia. **2018**;Jun;59(6):1124-1131

Antiepileptic drug polytherapy in pregnant women with epilepsy: Acta Neurol Scand. **2018**,Aug; 138(2):115-121

Caesarean section in Australian women with epilepsy:
Frank JE Vajda et al; Epilepsy & Behaviour 89 (**2018**) 126–129

Outcomes of pregnancies in women taking antiepileptic drugs for non-epilepsy indications Dana Jazayeri, Janet Graham, Alison Hitchcock, Terence J. O'Brien, Frank J.E. Vajda: Seizure 56 (**2018)** 111–114

The use of antidepressant drugs in pregnant women with epilepsy: A study from the Australian Pregnancy Register; Niveshan Sivathamboo, Alison Hitchcock, Janet Graham, Shobi Sivathamboo, Zhibin Chen, Terence J. O'Brien, Frank J. E. Vajda: Epilepsia. **2018** Sep;59(9):1696-1704

Valproate-associated foetal malformations—Rates of occurrence, risks in attempted avoidance Frank J. E. Vajda et al; Acta Neurol Scand. **2018**;139(1):42-48

Predicting epileptic seizure control during pregnancy. Frank J. E. Vajda et al; Epilepsy and Behaviour. **2018**; Jan; 78:91-95.

The outcome of a cohort of pregnancies in Australian women with epilepsy. Frank J E Vajda et al Current trends in Neurology Dec 2018

Antiepileptic drugs and foetal malformation: analysis of 20 years of data in a pregnancy register Seizure. **2019** Feb;65:6-11

Seizures in infancy in the offspring of women with epilepsy Frank J. E. Vajda et al; Acta Neurol Scand. **2019**;Sep 18

Valproate under threat. Vajda FJ Aust N Z J Psychiatry. 2019 Sep;53(9):923

Pre-existing illness, foetal malformation & seizure control rates in pregnant women with epilepsy. Frank J. E. Vajda et al; Epilepsy and Behaviour. **2019**; Nov

Factors related to post-natal depression in Australian women with epilepsy. Journal of Neuropsychiatry and Neuro disorders Vajda et al. Dec 2019 Vol 1.1

AEDs Teratogenicity and De Novo Genetic variation load. Piero Perucca, et al; Annals of Neurology. 2020;00:1-10

AEDs and Depression during pregnancy in women with epilepsy. Vajda F et al. Acta Neurol Scand. 2020;00;1-6

Australian Pregnancy Register
for Women on Antiepileptic Medication

1800 069 722 | www.apr.org.au

Principal Investigator: Prof Frank Vajda AO
Research Coordinators: Ms Janet Graham & Ms Alison Hitchcock

Pregnancy after valproate withdrawal-fetal malformations and seizure control. Vajda F et al. Epilepsia. 2020;00:1-7

Twin pregnancy in women with epilepsy. Vajda et al. Sept 2020 Epilepsia; 61;2748-2753

Folic acid dose, valproate and fetal malformations. Vajda F et al. Epilepsy and Behavior Jan 2021 Vol 114 part A

Prenatal VPA exposure and adverse neurodevelopmental outcomes; does sex matter. Honybun E et al. Epilepsia 2021;00:1-11

Seizure Control in Successive Pregnancies in Australian Women with Epilepsy Vajda F, O'Brien T, Graham J, Hitchcock A, Perucca P, Kuhn R, Lander C, Eadie M
Acta Neurol Scand 2022 Nov;146(5):610-614. doi: 10.1111/ane.13688. Epub 2022 Aug 19Acta

Fetal Malformations in Successive Pregnancies in Australian Women with Epilepsy Vajda F, O'Brien T, Graham J, Hitchcock A, Perucca P, Kuhn R, Lander C, Eadie M
Epilepsy Behav 2022 Sep;134:108848. doi: 10.1016/j.yebeh.2022.108848. Epub 2022 Jul 18

Neurological Factors and Caesarean Section in Australian Women with Epilepsy Vajda F, O'Brien T, Graham J, Hitchcock A, Perucca P, Kuhn R, Lander C, Eadie M
Epilepsy Behav 2022 Jul;132:108740. doi: 10.1016/j.yebeh.2022.108740. Epub 2022 May 27

Achieving Neurologically Desirable Outcomes To Pregnancy in Women with Epilepsy. Vajda F, O'Brien T, Graham J, Hitchcock A, Perucca P, Lander C, Eadie M
Epilepsy Behav 2022 Apr;129:108602. doi: 10.1016/j.yebeh.2022.108602. Epub 2022 Feb 14.

Epileptic Seizure Control During and After Pregnancy in Australian Women Vajda F, O'Brien T, Graham J, Hitchcock A, Perucca P, Lander C, Eadie M
Acta Neurol Scand 2022 Jun;145(6):730-736. doi: 10.1111/ane.13609. Epub 2022 Mar 7

Specific fetal malformations following intrauterine exposure to antiseizure medication. Vajda F, O'Brien T, Graham J, Hitchcock A, Perucca P, Lander C, Eadie M. Epilepsy Behav 2023 May;142:109219

Economic Evaluation of the Community Benefit of the Australian Pregnancy Register of Antiseizure Medications. Ademi Z, Marquina C, Perucca P, Hitchcock A, Graham J, Eadie MJ, Liew D, O'Brien TJ, Vajda FJ. Neurology 2023 Mar 7;100(10):e1028-e1037.

Changes over 24 years in a pregnancy register - Teratogenicity and epileptic seizure control. Vajda F, O'Brien T, Graham J, Hitchcock A, Perucca P, Lander C, Eadie M. Epilepsy Behav 2023 Nov;148:109482

The teratogenesis risk associated with antiseizure medication duotherapy in women with epilepsy. Vajda F, O'Brien T Graham J, Hitchcock A, Perucca P, Lander C, Eadie M. Epilepsy Research 2024 Feb:200:107316. doi: 10.1016/j.eplepsyres.2024.107316. Epub 2024 Feb 1.

Pregnancy, antiseizure medications and unexplained intrauterine foetal death
Vajda F, O'Brien T Graham J, Hitchcock A, Perucca P, Lander C, Eadie M.
Epilepsy And Behaviour 2024 Apr:153:109724. doi: 10.1016/j.yebeh.2024.109724. Epub 2024 Mar 4

Australian Pregnancy Register
for Women on Antiepileptic Medication

1800 069 722 | www.apr.org.au

Principal Investigator: Prof Frank Vajda AO
Research Coordinators: Ms Janet Graham & Ms Alison Hitchcock

Neurodevelopmental and Functional Outcomes Following In Utero Exposure to Antiseizure Medication: A Systematic Review
Honybun E, Cockle E, Malpas CB, O'Brien TJ, Vajda FJE, Perucca P, Rayner G.. Neurology 2024 Apr 23;102(8):e209175. doi: 10.1212/WNL.0000000000209175. Epub 2024 Mar 26

Teratogenicity of zonisamide and other little /used ASM's Vajda F, O'Brien T Graham J, Hitchcock A, Perucca P, Lander C, Eadie M. Seizure- European Journal of Epilepsy. Vol 117, April 2024 Pages 198-201

Is lamotrigine a significant human teratogen? Observations from the Australian Pregnancy Register. Vajda F, O'Brien T Graham J, Hitchcock A, Perucca P, Lander C, Eadie M.
Seizure- European Journal of Epilepsy 2010 Nov;19(9):558-61.doi: 10.1016/j.seizure.2010.07.019. Epub 2010 Aug 24.

Assisted reproduction and the fetal malformation risk associated with antiseizure medication exposure in pregnancy
Vajda, Frank Et al
Epilepsia 28 February 2025 **https://doi.org/10.1111/epi.18335**

The outcome of ceasing valproate before pregnancy in women with epilepsy
F.J.E. Vajda, Et al
Epilepsy Behav. 2025 Aug:169:110441. doi: 10.1016/j.yebeh.2025.110441.
Epub 2025 Apr 26

Paternal exposure to antiseizure medications and offspring outcomes: a systematic review Honybun E, Rayner G, Malpas C, O'Brien TJ, Vajda FJE, Perucca P, Perucca E. Journal of Neurology, Neurosurgery & Psychiatry, volume 96, issue 1, pages 15-25 (2025).
10.1136/jnnp-2024-334077
Cited by (1) | Cite | Source

Balancing foetal disadvantage and seizure freedom in women capable of pregnancy the Australian Pregnancy Register experience
F.J.E. Vajda, Et al
Epilepsy Behav. 2025 Nov:172:110663.doi: 10.1016/j.yebeh.2025.110663.
Epub 2025 Aug 28

Risk of Adverse Pregnancy Outcomes Associated With Antiseizure Medications and Their Indications
Berry-Noronha, Alexander | Manoleehakul, Pamada | Rottler, Alanna | McGuiness, Georgia Chen, Zhibin | Kuhn, Raphael | Vajda, Frank J. | Perucca, Emilio | Antonic-Baker, Ana | Perucca, Piero
Neurology, volume 104, issue 3 (2025).
10.1212/WNL.0000000000210233
Cite | Source

Transcription factor binding and individual genetic risk for valproate teratogenicity
Alison Anderson, PhD Et al
Neurology. 2026 Feb 10;106(3):e214570. doi: 10.1212/WNL.0000000000214570. Epub 2026 Jan 14