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Prenatal Exposure to Antibiotics and Development of Epilepsy in Children
January 2021 – *The Journal of Clinical Pharmacology* (JCP)

Why is this article important to you?

Epilepsy is a common chronic childhood neurologic condition with an annual prevalence of 0.5% – 1.0%. Children with epilepsy are at increased risk of mental, developmental and physical comorbidities and premature death compared with children who do not suffer from this disease. Vascular, trauma, developmental, infections and tumoral causes and prenatal factors (eclampsia, placental abruption, maternal infection, elevated body temperature) and more have been found to be associated with the development of epilepsy in childhood. Nevertheless, in most patients, the etiology remains unknown. Learners that complete this educational event will be able to describe the association of prenatal antibiotic exposure and development of epilepsy in offspring and determine confounding factors and limitations.



Joint Accreditation Statement

In support of improving patient care, the American College of Clinical Pharmacology® (ACCP) is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE) and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

UAN: JA4008220-0000-21-001-H01-P– ACPE 1 Contact Hours

Activity Type: Knowledge-based **Format:** Home-study **Target Audience:** 'P'

ACCME Designation Statement

The Accreditation Council for Continuing Medical Education designates this Journal CE activity for 1 *AMA PRA Category 1™* credit. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Target Audience

Interprofessional team of Physicians, Pharmacists and PhDs.

Learning Objectives

After completing this activity, the learner will be able to:

1. Discuss the previous knowledge regarding the association of prenatal antibiotic exposure and development of epilepsy in offspring;
2. Confirm or reject the association of prenatal antibiotic exposure and development of epilepsy in offspring;
3. Discuss limitations pertaining to the association of prenatal antibiotic exposure and development of epilepsy in offspring.

Requirements to Receive Credit

In order to receive continuing education credit, the learner must register for the educational activity, study the provided journal article and complete the online learning Post-event Self-assessment, as well as the online course Evaluation and CME/CPE Certificate. Credits and CME/CPE Certificates must be claimed within thirty (30) days of completing the article, Post-event Self-Assessment and Evaluation. Contact CE@ACCP1.org with any questions.

Disclosures:

Article Selection: Joseph S. Bertino Jr, PharmD, FCP, FCCP, Editor-in-Chief, JCP and Owner, Bertino Consulting Inc. Nothing to disclose.

Planner: Claude Abdallah, MD, MSc, FASA, Anesthesiologist, Pediatric Anesthesiology, Children's National Health System. Nothing to disclose.

CE Reviewer: Joel M. Reid, PhD, Associate Professor, Molecular Pharmacology & Experimental Therapeutics, Mayo Clinic. Nothing to disclose.

Schedule & Fees

JCP monthly Journal CE articles are generally released on the 1st or 2nd Tuesday of each month. They are priced in packages of January to December for each year. Packages are available at no cost to ACCP Members and \$75/calendar year to Non-members. Once you register, you have access to all of the Journal CE articles for the calendar year.

Acknowledgement of Financial Support

No financial support was received for this educational activity.

Home Study Initial Release and Expiration Dates

Date of Issuance: 12/01/2021

Expiration Date: 12/31/2023

Helpful Tips

Download the article and access the Self-assessment Post-test, Evaluation and Certificate [here](#).

Learn how to print your CME/CPE Certificate [here](#).
