



Pregnancy Painkillers Linked to Increased Child ADHD Risk

Description

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A recent study suggests that children whose mothers used paracetamol, also known as acetaminophen, during pregnancy may have a higher likelihood of developing ADHD. This finding adds weight to the ongoing debate on whether this common pain reliever could impact fetal brain development.

Past research on paracetamol and neurodevelopmental conditions has produced conflicting results. For example, a study in 2019 found a 20% increased risk of ADHD in children when mothers used paracetamol during pregnancy. However, another analysis last year did not find such an association when comparing siblings exposed to paracetamol before birth.

One challenge with these studies is that they often depend on self-reported medication use, which may not always be accurate. To address this, a new study looked for markers of paracetamol in blood samples of 307 pregnant women. The results showed that children born to mothers with these markers were three times more likely to be diagnosed with ADHD.

Although more research is needed, these findings suggest a possible link between paracetamol use during pregnancy and ADHD in children. It highlights the importance of further investigation and cautious consideration of using paracetamol in pregnancy.

If you are unsure about taking paracetamol during pregnancy, it is advisable to consult your doctor for guidance.

Topics:

Vocabulary List:

1. **Likelihood** /'laɪklihʊd/ (noun): The chance or probability of a specific outcome.
2. **Development** /dɪ'veləpmənt/ (noun): The process of growth or progress in a particular area.
3. **Risk** /rɪsk/ (noun): The possibility of loss or injury.
4. **Association** /əˌsoʊ.sɪ'eɪ.ʃən/ (noun): A connection or relationship between two or more things.
5. **Markers** /'mɑːrkərz/ (noun): Indicators or signs that provide information about something.
6. **Investigation** /ɪnˌvɛstɪ'geɪʃən/ (noun): A careful and systematic inquiry or examination.

Comprehension Questions

Multiple Choice

1. What is another name for paracetamol?



- Option: Ibuprofen
- Option: Acetylsalicylic acid
- Option: Acetaminophen
- Option: Aspirin

2. What did a study in 2019 find regarding the risk of ADHD in children when mothers used paracetamol during pregnancy?

- Option: 10% decreased risk
- Option: 20% increased risk
- Option: No significant change in risk
- Option: 30% increased risk

3. How many pregnant women were involved in the study that looked for markers of paracetamol in blood samples?

- Option: 100
- Option: 200
- Option: 307
- Option: 500

4. What did the results of the study show regarding children born to mothers with markers of paracetamol in their blood samples?

- Option: No impact on ADHD diagnosis
- Option: Two times more likely to be diagnosed with ADHD
- Option: Three times more likely to be diagnosed with ADHD
- Option: Five times more likely to be diagnosed with ADHD

5. What is the main concern highlighted by the findings regarding paracetamol use during pregnancy?

- Option: Increased risk of allergies
- Option: Possible link to ADHD in children
- Option: Enhanced fetal brain development
- Option: No impact on pregnancy

6. What is recommended if someone is unsure about taking paracetamol during pregnancy?

- Option: Consult a family member
- Option: Consult your pharmacist
- Option: Consult your doctor
- Option: Stop taking paracetamol immediately



True-False

7. Paracetamol is another term for aspirin.
8. All past research on paracetamol and neurodevelopmental conditions has shown consistent results.
9. The new study analyzed hair samples of pregnant women to find markers of paracetamol.
10. More research is not needed to establish a possible link between paracetamol use during pregnancy and ADHD in children.
11. Consulting a doctor for guidance is advised if someone is unsure about taking paracetamol during pregnancy.
12. ADHD is not a neurodevelopmental condition associated with paracetamol use during pregnancy.

Gap-Fill

13. A study in 2019 found a _____ increased risk of ADHD in children when mothers used paracetamol during pregnancy.
14. The results of the study showed that children born to mothers with markers of paracetamol were _____ more likely to be diagnosed with ADHD.
15. Consulting your doctor for guidance is advisable if you are unsure about taking paracetamol during _____.
16. The main concern highlighted by the findings is a possible link between paracetamol use during pregnancy and _____ in children.
17. The study looked for markers of paracetamol in blood samples of _____ pregnant women.



18. One challenge with these studies is that they often depend on _____ medication use.

Answer

Multiple Choice: 1. Acetaminophen 2. 20% increased risk 3. 307 4. Three times more likely to be diagnosed with ADHD 5. Possible link to ADHD in children 6. Consult your doctor

True-False: 7. False 8. False 9. False 10. False 11. True 12. False

Gap-Fill: 13. 20% 14. three times 15. pregnancy 16. ADHD 17. 307 18. self-reported

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. What is the probability of an event happening called?

Option: Risk

Option: Governance

Option: Association

Option: Consumption

2. What are used to indicate a particular condition or feature?

Option: Vulnerabilities

Option: Markers

Option: Biodegrade

Option: Encrypted

3. What is working jointly with others to achieve a common goal?

Option: Innovation

Option: Agreement

Option: Collaboration

Option: Surveillance

4. What is the introduction of contaminants into the natural environment causing adverse change?

Option: Pollution

Option: Aerosols

Option: Consequences

Option: Sensistive

5. Which substances are used in aerosol cans for spraying?

Option: Ethical



- Option: Acceleration
- Option: Aerosols
- Option: Compromise

6. What kind of consequence is the opposite of gain?

- Option: Development
- Option: Loss
- Option: Resistance
- Option: Manipulated

7. In what form can data be secured from unauthorized access?

- Option: Encrypted
- Option: Synthetic
- Option: Celulose
- Option: Gelatin

8. What is the refusal to accept or comply with something?

- Option: Vulnerabilities
- Option: Resistance
- Option: Marked
- Option: Consumption

9. Which term refers to weaknesses that can be exploited by threats?

- Option: Innovation
- Option: Vulnerabilities
- Option: Surveillance
- Option: Debate

10. What is the act of using something up or eating or drinking?

- Option: Consumption
- Option: Legitimate
- Option: Risk
- Option: Association

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. _____ is the process of growth or advancement.

12. A thorough examination or study of a situation is called _____ .

13. The way in which rules norms and actions are structured sustained regulated and held accountable is



known as _____ .

14. Moral principles that govern a person's behavior or the conducting of an activity is said to be

_____ .

15. A mutual understanding or arrangement among two or more parties is an _____ .

16. The process by which organic substances are broken down by natural organisms is called

_____ .

17. An agreement or settlement of a dispute that is reached by each side making concessions is a

_____ .

18. Something that is lawful reasonable or socially acceptable is considered _____ .

19. The introduction of new ideas methods or products is referred to as _____ .

20. Having a noticeable distinct or significant characteristic is described as _____ .

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. The likelihood of an event resulting in harm danger or loss is known as .
22. The connection or link between two or more things is referred to as .
23. Close observation of a person or group especially one under suspicion is known as .
24. A formal discussion on a particular topic in a public meeting or legislative assembly is called a .
25. The increase in speed or rate of something is called .
26. Easily affected changed or damaged by external conditions feelings or circumstances is described as .
27. The result or effect of an action or condition is known as .
28. The production and discharge of something especially gas or radiation is called .



29. To handle or control in a skillful manner often for dishonest purposes is to .

30. Conforming to accepted standards of conduct or morals is being .

Answer

Multiple Choice: 1. Risk 2. Markers 3. Collaboration 4. Pollution 5. Aerosols 6. Loss 7. Encrypted 8. Resistance 9. Vulnerabilities 10. Consumption

Gap-Fill: 11. Development 12. Investigation 13. Governance 14. Ethical 15. Agreement 16. Biodegrade 17. Compromise 18. Legitimate 19. Innovation 20. Marked

Matching sentence: 1. Risk 2. Association 3. Surveillance 4. Debate 5. Acceleration 6. Sensitive 7. Consequences 8. Emissions 9. Manipulated 10. Ethical

CATEGORY

1. Sci/Tech - LEVEL3

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