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by R S

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Vaccinations and Autism

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I. Introduction

- A. Hook: The topic is the relationship between vaccinations and autism, which has troubled new parents.
- B. Background info: There have been debates on whether immunizations cause autism among children instilling fear among parents. I am interested in this topic because millions of parents take their newborn vaccinations every year, as the healthcare sector relies on them to prevent diseases. However, there have been rumors that the vaccines would harm the children, including the development of autism, which alters critical skills in them.
- C. Background info: It has made them question the vaccinations' safety; thus, discussing the issue clarifies the debate. My primary audience is for new parents. I feel they need the information as being new in the vaccination process; they need to understand why immunizations are given, side effects, and the possible outcomes.
- D. Thesis statement: Vaccinations do not cause autism because they are tested before release to the public; they have weakened forms of the illnesses causing the virus, no evidence of harmful side effects, and the healthcare sector accepts it.

II. Body Paragraph 1

- A. Topic sentence: Vaccinations do not cause autism because vaccines are first tested in animals and later humans in several phases. In case of adverse effects, they are not released to the public.
- B. Supporting point: In the first phase, only a small number of volunteers are involved (Knopf, 2017).

1. Detail: Safety is tested here and whether the ingredients produce the needed immune response.
 2. Detail: In this phase, the right dosage depending on the children's years is also determined.
- C. Supporting point: In the second phase, hundreds of volunteers are involved, whereby further assessment is done.
1. Detail: Side effects are determined, and a further assessment of how well the vaccines generate immunity.
 2. Detail: Disease outcomes are also evaluated in this phase. Some volunteers are vaccinated, while others are not to make comparisons.
- D. Supporting point: In the last phase, thousands of volunteers are tested.
1. Detail: Here, the findings in the first two steps are verified.
 2. Detail: After the clinical trials are done, other steps are taken to ensure the vaccines are safe, efficient, and the producing companies implement the right regulations. In case one of the conditions is not met, the vaccine is not released to the general population.

III. Body Paragraph 2

- A. Topic/transition sentence: Vaccinations do not also cause autism as they have weakened forms of the illnesses causing the virus to produce antibodies that protect the children.

B. Supporting point: The ingredients used in the vaccines have specific roles (Pivetti, Melotti & Mancini, 2020).

1. Detail: They ensure safety, in that the children are protected from the specific diseases vaccinated against.
2. Detail: Another role is ensuring effectiveness, in that the immunes are favorable for the age stated.

C. Supporting point: The elements included have specific roles in that none could is connected to the development of autism.

1. Detail: The antigen component is evident in the vaccines, a weakened form of bacteria that helps the body identify the illness and fight it if it develops in the future.
2. Detail: The adjuvant element is there to improve the immune response. It is therefore meant to assist the vaccines to work better.
3. Detail: The preservatives element ensures the immunizations stay effective.
4. Detail: Finally, stabilizers are included to ensure the medications are protected when storing and transporting.

IV. Body Paragraph 3

A. Topic/transition sentence: There is no evidence of severe side effects of vaccinations, so the development of autism is not a possible outcome.

B. Supporting point: The known side effects of immunizations are mild and end after a short while (Rizzi et al., 2020).

1. Detail: Children may encounter pain, redness, mild fever, headache, and muscle aches, which do not indicate the presence of autism.
2. Detail: The side effects occur as a sign that the body adjusts to building immunity against an illness. So, parents need not report the cases of healthcare providers unless in extreme situations.

C. Supporting point: Adverse side effects are rare.

1. Detail: Data says that one child in a million may have severe allergic reactions.
2. Detail: The adverse effects could also happen if the child had underlying issues and not due to the vaccinations.

D. Supporting point: According to the law, parents encountering severe effects due to immunizations are compensated.

1. Detail: The National Vaccine Injury Compensation Program (VICP) is put so that even the one or two parents encountering the issue are covered. The children receive enough help in that the health recovers.

V. Body Paragraph 4

- A. Topic/transition sentence: Finally, vaccines do not cause autism because they would reject them if they need the healthcare sector.
- B. Supporting point: The leading role of the healthcare providers is to save lives by preventing, managing, and treating illnesses.

1. Detail: They meet the roles by assessing how patients react to medications, and in case of severe outcomes, they raise the alarm.
 2. Detail: The providers claim that one of the reliable methods in meeting their goals is vaccinations, meaning they cause no harm.
- C. Supporting point: Healthcare says that vaccinations prepare bodies to fight illnesses other than exposing them to more dangers.
1. Detail: The side effects noted are positive outcomes, so parents need to understand that when something new is introduced to the body, a reaction has to occur. However, it does not raise any alarm because the providers would be the first to say if it did.

VI. Conclusion

- A. Restatement of thesis: Therefore, vaccinations do not cause autism because they are tested before release to the public, they have weakened forms of the illnesses causing the virus, no evidence of harmful side effects, and the healthcare sector accepts it as a reliable way to control illnesses.
- B. So what? New parents need to fear vaccinations as they are not related to autism. Instead, they help the body produce antibodies that counter certain illnesses in the future, empowering the children to grow with no many conditions.

References

- Knopf, A. (2017). Vaccines do not cause autism: Pediatricians fight back against anti-science. *The Brown University Child and Adolescent Behavior Letter*, 33(S2), 1-2.
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- Rizzi, M., Attwell, K., Casigliani, V., Taylor, J., Quattrone, F., & Lopalco, P. (2020). Legitimizing a 'Zombie Idea': childhood vaccines and autism. *European Journal of Public Health*, 30(Supplement_5), ckaa165-807.

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