



## In utero anti-HBV antibodies transmission from mother to fetus

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**ABSTRACT:** Hepatitis B is an infection caused by a virus called hepatitis B virus (HBV). This virus targets liver cells inducing inflammation. When hepatitis B is not properly managed, it can progress to chronic hepatitis and lead to cirrhosis and hepatocellular carcinoma. Drugs are available to cure hepatitis and vaccine to prevent it. Unfortunately, HBV can be transmitted from mother to child during pregnancy. In addition, when mothers are immunized, they can transfer their antibodies to their fetus during pregnancy, as a passive immunity. According to this, we evaluated in south of Benin, the protection against the hepatitis B virus that mothers could transfer in utero to their fetus. Thereby, we included 37 mothers and their newborns (38) at the time of delivery at the Bethesda hospital in Cotonou and at Deo gratias Clinic in Porto-Novo. We then measured anti-HBs antibodies in peripheral blood from both mother and newborn. Our results showed that when mothers are immunized, neonates had, like their mothers, high levels of anti-HBs antibodies. Our data suggested that they are protected against VHB.



**Biography:** Romaric Tochoedo has completed his Msc at the age of 26 years from University of Abomey-Calavi and attend his PhD studies of Immunology. He is still Responsible of Health and Environment Department of AdeSE-BENIN NGO.

**Publications:** 1. Prevalence of hepatitis B, hepatitis C and HIV among Chronic liver disease patients in selected hospitals, Addis Ababa, Ethiopia  
2. Molecular diagnosis of hepatitis C untypeable genotypes among chronically infected patients in Pakistan  
3. Potent and Broad Spectrum Natural Products Against all Genotypes of Hepatitis C Virus  
4. Seroprevalence of Hepatitis A Virus infection among general population in Central-West Tunisia  
5. The Possible Protective Effect of (-)Epicatechin on Liver Toxicity Induced by CCl<sub>4</sub> in Rats

12th Global Summit on Immunology and Cell Biology, Valencia, Spain, September 21-22, 2020

Abstract Citation: Romaric Tochoedo, In utero anti-HBV antibodies transmission from mother to fetus, IMMUNOBIOLOGY 2020, Valencia, Spain, September 21-22, 2020, PP.0-1