Analysis of causes that led to the development of vitiligo  
In Jeanett’s case with recommendations  
for clinical tests and treatments  

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Submitted: February 26, 2007  

Abstract  

At the age of two years, Jeanett developed vitiligo within days of receiving her first  
MMR vaccine and the fourth injection of DTaP and IPV vaccines. Furthermore, at five  
years of age, she developed many more unpigmented spots on her body with acrofacial  
vitiligo, following receipt of the second injection of MMR and the fifth injection of DTaP  
and IPV vaccines. Jeanett’s susceptibility to developing adverse reactions to vaccine was  
notable a few hours after birth following receiving her first injection of the hepatitis B  
vaccine. Furthermore, the intensity and the frequency of her adverse reactions to vaccines  
were significantly increased following receipt of more doses of hepatitis B, DTaP, IPV,  
Hib, and MMR vaccines. Jeanett’s health condition during her second year of life, when  
she was not given any vaccine was better than during her first year of life, when she  
received several vaccines.  

It is likely that the MMR vaccine induced the depigmentation of Jeanett’s skin through  
local and systemic autoimmune reactions. Synergistic actions between the MMR vaccine  
and other vaccines given to Jeanett could also be involved in causing the depigmentation  
of her skin. I believe that Jeanett should not receive any vaccine in the future. Vaccines  
probably will aggravate her present illness and trigger more illnesses. Jeanett was treated  
with corticosteroids ointment but the steroid did not help in stopping the depigmentation  
of her skin. Recommendations for clinical tests and treatment plans are presented in this  
report that I believe will help Jeanett’s pediatrician to better monitor and treat her vitiligo.  
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Keywords: Amoxicillin; autoimmune reactions; calcipotriol; copper sulfate;  
corticosteroids; depigmentation; Diphtheria, Tetanus, and Pertussis (DTaP) vaccine;  
adverse reactions to vaccines; Elcon®; Hib; hepatitis; inactivated polio (IPV) vaccine;  
Measles, mumps, and rubella (MMR) vaccine; melanin; melanin synthesis;  
melanogenesis; tyrosinase assay; Tylenol®; vitiligo; vitix; Zithromax®.