

Date	Description
December 1998	Child born
December 27, 1998	Hepatitis B vaccination
January 26, 1999	Hepatitis B vaccination
March 12, 1999	IPV, Hib, DTaP vaccinations
April 27, 1999	IPV, Hib, DTaP vaccinations
June 28, 1999	Hib, DTaP vaccinations
July 1998 - January 2000	Multiple bouts of otitis media, treated with antibiotics
January 2000	Child received PE tubes
July 19, 2000	DTaP, Hib, MMR, Varivax, IPV vaccinations
July 21, 2000	Child's symptoms begin Pediatrician said child was having normal reaction to vaccines
July 31, 2000	Child returns to Pediatric Center with continuing symptoms Child diagnosed with post-Varicella vaccination rash
September 26, 2000	Continuing visits to Pediatric Center with various symptoms
November 1, 2000	Child received bilateral PE tubes
November 2000 - January 2001	Concerns about speech
February 8, 2001	Pediatric neurologist diagnoses "regressive encephalopathy with features consistent with an autistic spectrum disorder"
February 23, 2001	Occupational Therapy Clinic conclude that the child is developmentally delayed and demonstrates features of autistic disorder
May 22, 2001	Neurogenetics specialist affirms that the child's history and lab results were consistent with "an etiologically unexplained metabolic disorder that appear[ed] to be a common cause of developmental regression."
2002	Autism claim filed in federal vaccine court
November 9, 2007	Division of Vaccine Injury Ruling: "the vaccinations CHILd received on July 19, 2000, significantly aggravated an underlying mitochondrial disorder, which predisposed her to deficits in cellular energy metabolism, and manifested as a regressive encephalopathy with features of autism spectrum disorder"

**Timeline**

No vaccines received during this period

**Brain Damage (Encephalopathy) Resulting from Aggravation of Underlying Mitochondrial Disorder by Childhood Vaccinations**

**Outline**

**Impact to the Goals**

<b>What</b>	Problem(s)	Child diagnosed with brain damage (encephalopathy), reaction to vaccines
<b>When</b>	Date	July 19, 2000 (vaccines received)
	Different, unusual, unique	Vaccinated against nine diseases in 5 shots (DTaP, Hib, MMR, Varivax, IPV) at once
<b>Where</b>	Task being performed	Underlying mitochondrial disorder
	Impact to the Goals	Childhood vaccines

<b>Patient Safety</b>	Encephalopathy (brain damage)	
<b>Employee Impact</b>	?	
<b>Compliance</b>	Vaccination schedule not followed	
<b>Organization</b>	?	
<b>Patient Services</b>	Aggravation of underlying condition	
<b>Environmental</b>		
<b>Financial</b>	Payments to family for care	>\$1.5 M

Frequency	Very rare circumstance	This incident	>\$1.5 M
Annualized Cost			?

**The \$1.5 M question**

**Cause Map Overview Level**

