

34 YEARS OF PEDIATRICS CASES, LEARNINGS, AND PERSPECTIVES



INTERSECTION BETWEEN CHANCE AND FATE

CHLA AND SCPMG CONNECTIONS



We Treat Kids Better



PERMANENTE MEDICINE KAISER HEALTH PLAN

PUBLIC HEALTH SERVICE

- 2 Years Seaside Medical Clinic
 - Under served and low Income area.
- Families Couldn't Afford Basic Lab Tests or Medication

GOLDEN AGE OF MEDICINE

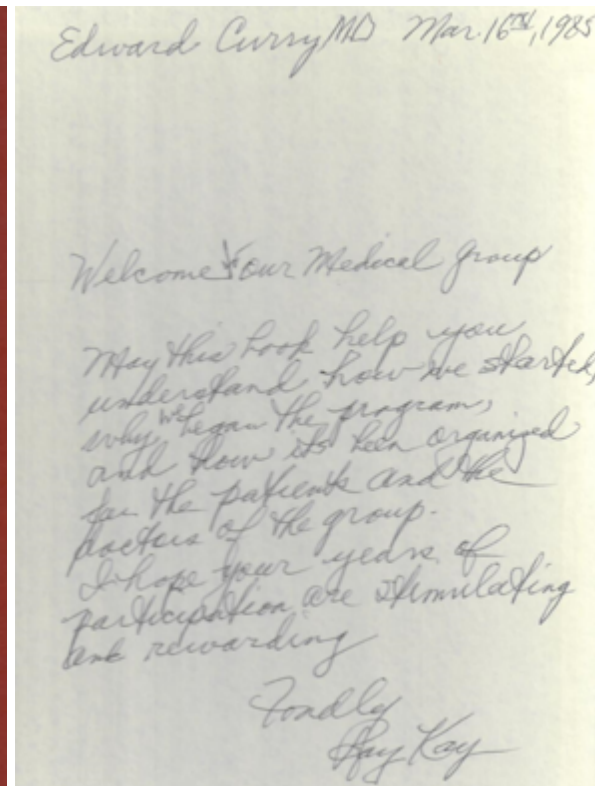
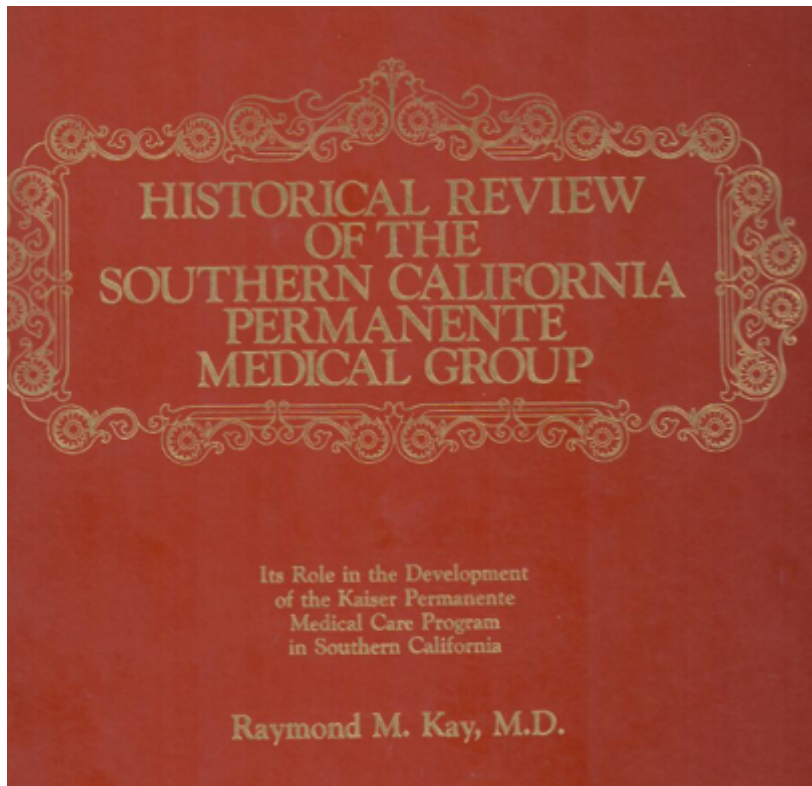
- Primary Cash
- Minimal Regulation and Practice Guidelines
- Medical Board was Physician Friendly
- Private Practice was King

KAISER PERMANENTE

- Connection with My first Chief and CHLA Former Resident.
- Recruited me to Fontana Medical Center

PERMANENTE MEDICAL GROUP KAISER HEALTH PLAN KP PRINCIPALS

- TO MAKE CARE AVAILABLE WITHOUT ECONOMIC BLOCKS TO THOSE WHO NEED IT
- TO MAKE IT POSSIBLE FOR THE PHYSICIAN TO GROW PROFESSIONALLY AS WELL AS MAXIMUM CONTROL OF THEIR DESTINIES.



AAP MISSION STATEMENT

**AMERICAN ACADEMY OF PEDIATRICS IS COMMITTED TO THE ATTAINMENT
OF OPTIMAL PHYSICAL, MENTAL, AND SOCIAL HEALTH FOR ALL INFANTS,
CHILDREN, ADOLESCENTS, AND YOUNG ADULTS**

**“The American Academy Pediatrics is America’s most
consistent, powerful, effective voice for Children.”**

Robert Wood Johnson Foundation

DARWIN SAID IT BEST

It is not the strongest of the species that survives, nor the most intelligent that survives.

It is the one that is most adaptable to change.

ONE THING NEVER CHANGES

THE



KIDS

EARLY LEARNING CEREBRAL PALSY



Sunrise 13 January 1985

Sunset 6 December 2002

CEREBRAL PALSY PROGRESSION ALWAYS A BABY



NEVER LET CEREBRAL PALSY GET IN WAY OF LIFE



CEREBRAL PALSY DEVELOPMENTAL SCREENING



CHILDREN WITH SPECIAL HEALTH CARE NEEDS WILL TO SURVIVE



CHILDREN WITH SPECIAL HEALTH CARE NEEDS EVERYDAY IS SPECIAL DAY



SEVERE COMBINED
IMMUNODEFICIENCY SYNDROME
1984 - 1987

CHILDREN WITH SPECIAL HEALTH CARE NEEDS ARE ALWAYS KIDS



INTERSECTION BETWEEN FAMILY AND WORK

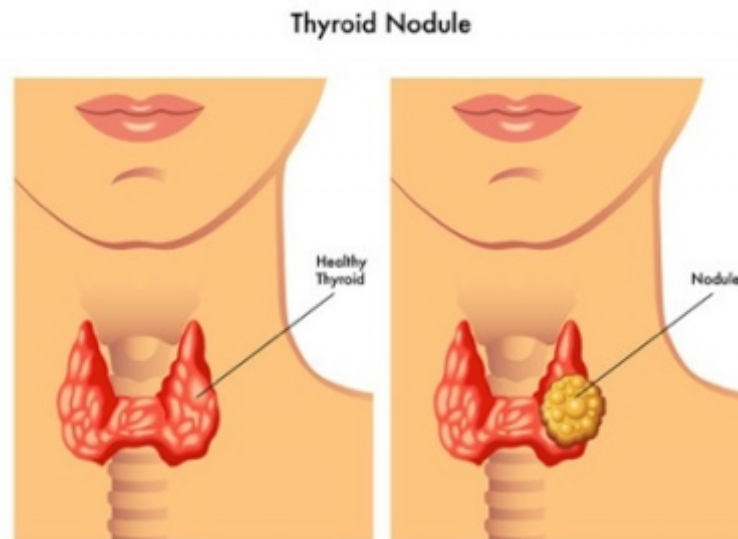


INTERSECTION BETWEEN FAMILY AND WORK

OVER TEN YEARS

- BENIGN THYROID NODULE
- INTERMITTENT PALPITATIONS
- PERIODS OF ANXIETY
- FATIGUE

FINALLY DX WITH HYPERTHYROIDISM



FIXED POINT IN TIME

OCTOBER 4 1994 3:58 AM

LAST WORD “EDDIE”

11 YEAR OLD SON CALLS 911

CPR



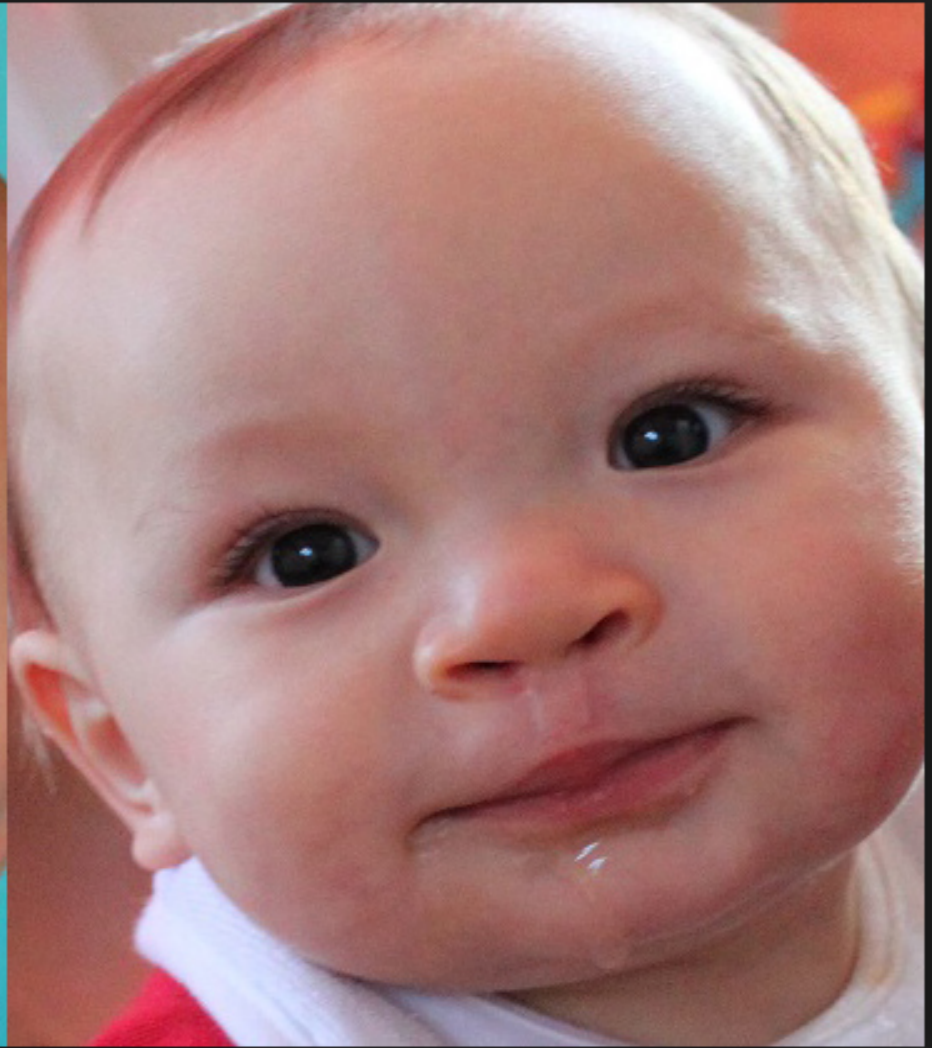
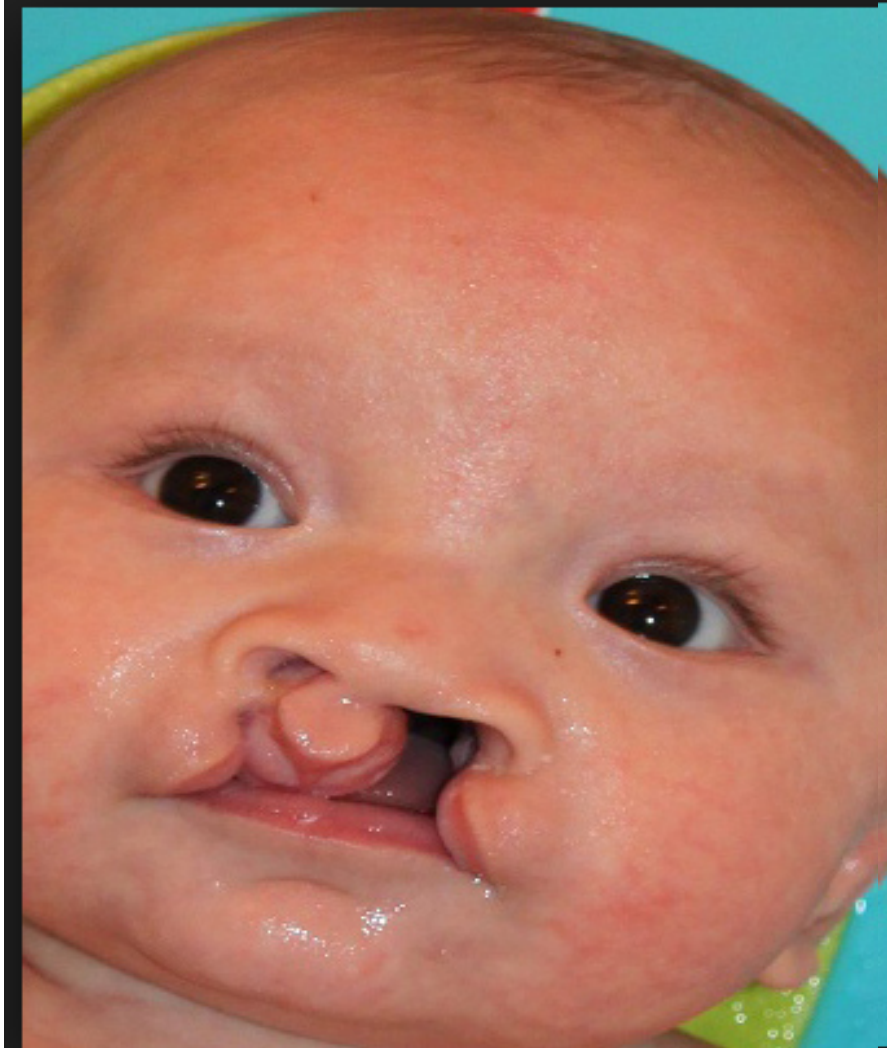
SELF PITY SELF DOUBT



- MOST DIFFICULTY TIME GOING TO E.D.
- EVEN MORE DIFFICULTY TO HAVE SON BIRTHDAY 5 DAY AFTER HIS MOTHER DEATH
- MOST KIND AND CARING WOMAN
- CLASSMATES FROM BOTH SON'S SCHOOL WROTE WARM CARING CARDS
- WHY ME AND EMPTY FEELING
- LIFE GOES ON



CATCHING BABIES THE DELIVER ROOM



CATCHING BABIES THE DELIVER ROOM



GASTROSCHISIS



(AFTER DELIVERY)
EXPOSED to AIR

* NO PERITONEAL LAYER

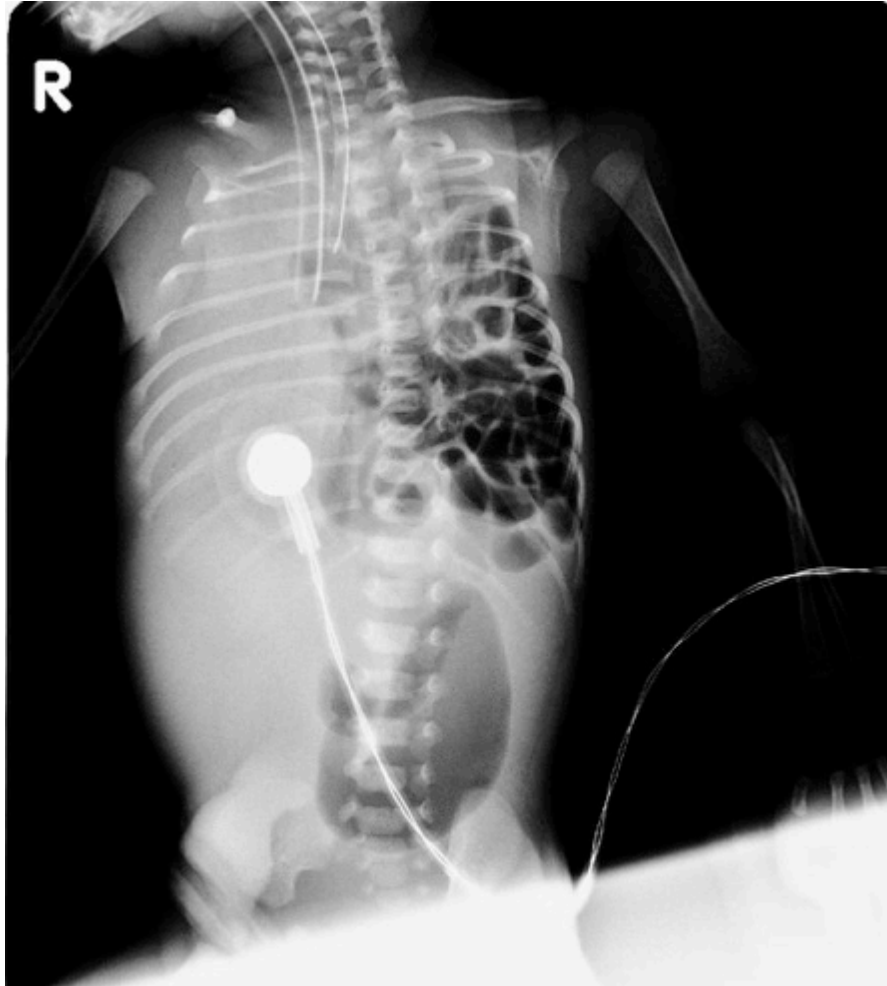
PROTRUDES into
UMBILICAL CORD

* SEALED by
PERITONEAL LAYER

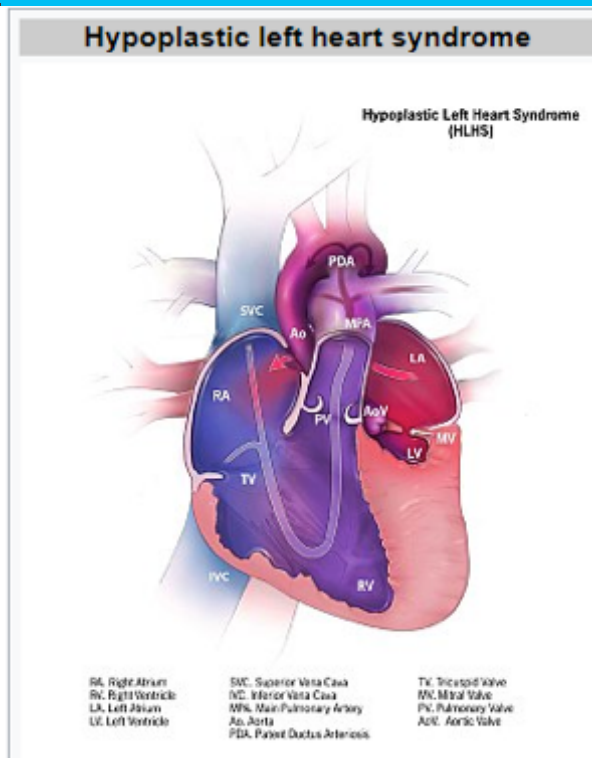
OMPHALOCELE



CATCHING BABIES THE DELIVER ROOM



CODE PINK



CODE PINK

INTUBATED AND RESUSCITATED FOR 15 MINUTES
HEART RATE IRREGULAR PERIODS OF BRADYCARDIA
SPOKE WITH MOTHER ABOUT DNR
INFANT PASSED AWAY 4:00 AM

CODE PINK

4:10 AM INTUBATED AND RESUSCITATED FOR 15 MINUTES
GOOD CRY AND GOOD COLOR

NEW LIFE REBIRTH

12 MONTHS LATER CHRISTMAS SEASON
MOTHER WITH HEALTHY INFANT

GENESIS



14 MILLION TO ONE NIGHT NEVER KNOW WHEN YOU ENCOUNTER A ZEBRA



28 WEEK TRIPLETS PREMIE
10 PM



28 WEEK TRIPLETS PREMIE
5 AM

GETTING TOO COMFORTABLE

10 PM: 32 WEEK PREMIE BORN

FOUL SMELLING AMMONITIC FLUID

GOOD CRY AND COLOR

TAKEN NICU NO LAB DONE

INFANT TOLERATED INITIAL FEEING WELL

2 AM

INFANT FEEDING DECREASE AND NEED GAVAGE

4 AM

NOT FEEDING WELL IV STARTED

CBC AND BLOOD CULTURE DONE

6 AM

INCREASE RESPIRATORY RATE

ANTIBIOTICS STARTED

8 AM

RESPIRATORY FAILURE AND INTUBATION

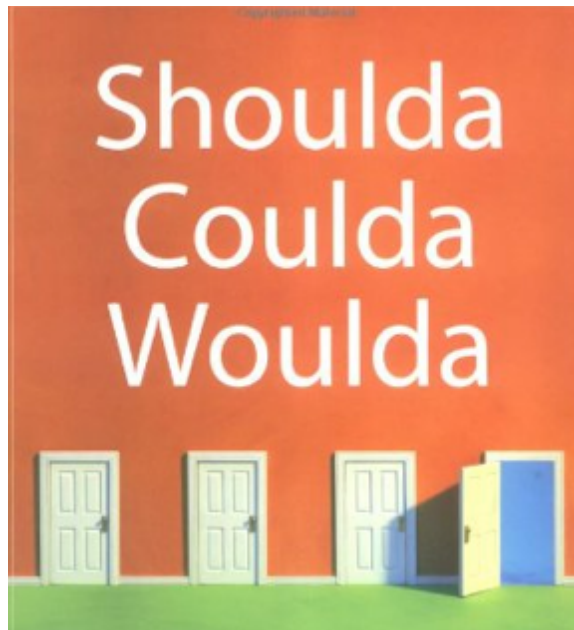
10 AM: PULMONARY HEMORRHAGE, CARDIAC ARREST

PRONOUNCED DEAD 11 AM

MAKING MISTAKES

12:00 NOON BLOOD CULTURE GREW E. COLI

- Early-onset sepsis remains a common and serious problem for neonates, especially preterm infants.
- ***Escherichia coli* is the most common cause of mortality.**



LEARNING FROM OUR MISTAKES

ONE WEEK LATER

- 38 WEEK INFANT WAS FEEDING WELL BUT POOR FEEDING MORE LETHARGIC
- CBC, BLOOD CULTURE DRAWN, AND ANTIBIOTICS STARTED IMMEDIATELY
- BLOOD CULTURE GREW GROUP B STREPTOCOCCUS (GBS)

GBS is the most common etiologic agent

- Current efforts toward maternal intrapartum antimicrobial prophylaxis have significantly reduced the rates of GBS disease
- But have been associated with increased rates of Gram-negative infections, especially among very-low-birth-weight infants

DON'T KNOW WHAT FUTURE HOLD FATE

**11 MONTH LATER DELIVERY CALL
30 WEEK PREMATURE INFANTS
MOTHER OF INFANT WHO DIED**



MISSING THE DIAGNOSIS

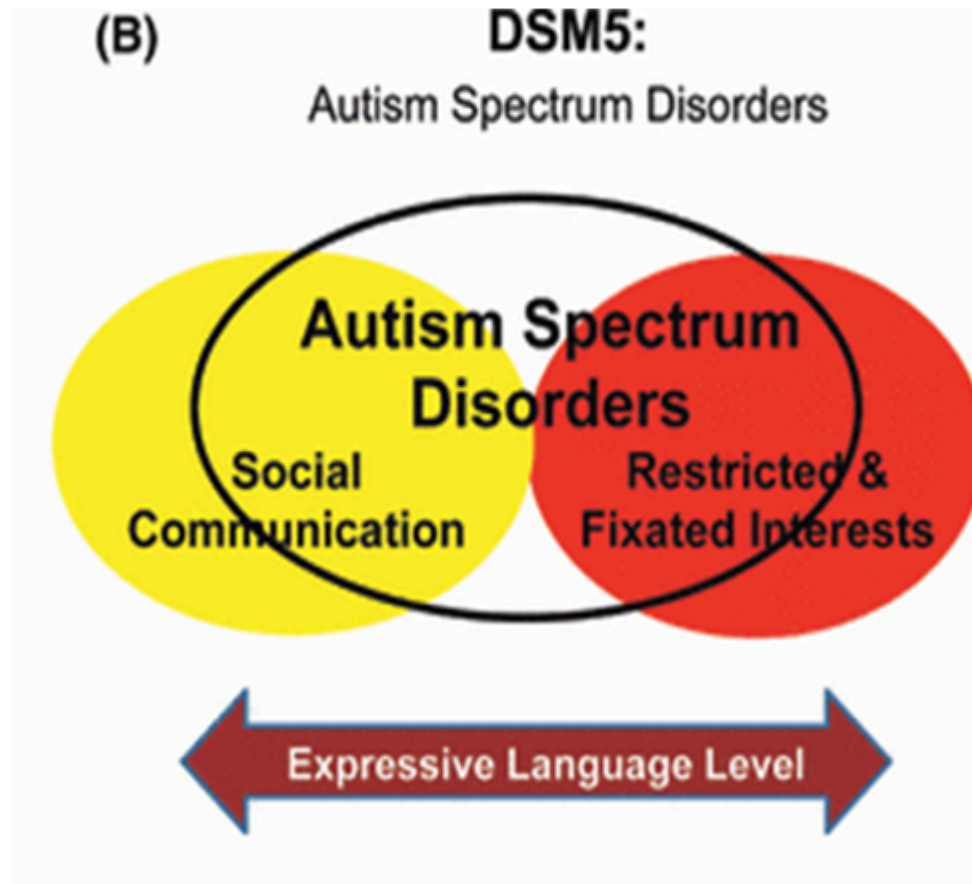
Observation:

Echolalia

Lucas, 30 Months

GenetiaLens

AUTISM SPECTRUM DISORDER



DSM 5 CRITERIA
ASPERGER'S SYNDROME AND PPD NOS
DIAGNOSIS NO LONGER EXIST

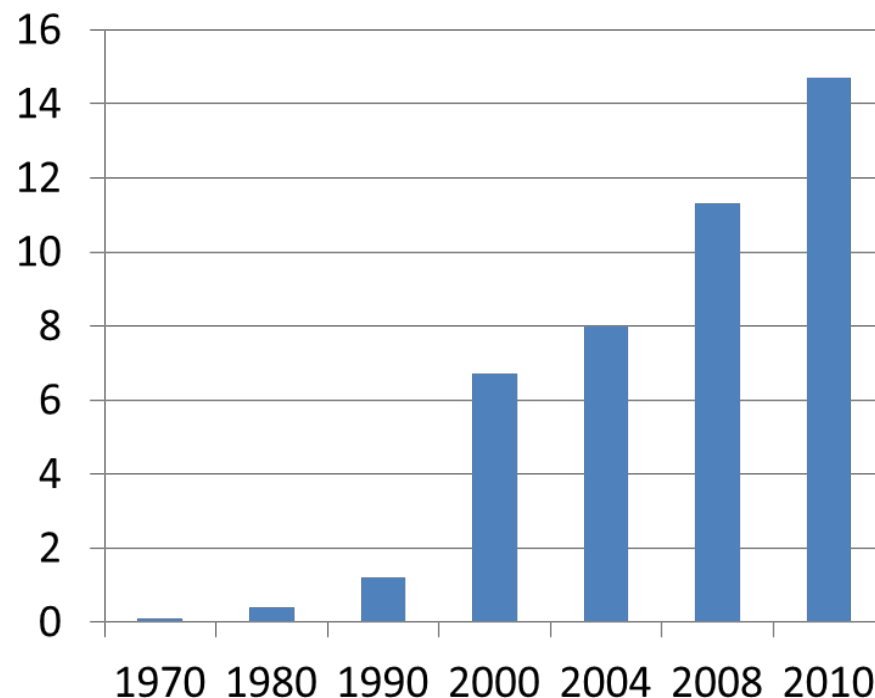
Growing Prevalence of ASD

Identified Prevalence of Autism Spectrum Disorder

ADDM Network 2000-2010
Combining Data from All Sites

Surveillance Year	Birth Year	Number of ADDM Sites Reporting	Prevalence per 1,000 Children (Range)	This is about 1 in X children...
2000	1992	6	6.7 (4.5 - 9.9)	1 in 150
2002	1994	14	6.6 (3.3 - 10.6)	1 in 150
2004	1996	8	8.0 (4.6 - 9.8)	1 in 125
2006	1998	11	9.0 (4.2 - 12.1)	1 in 110
2008	2000	14	11.3 (4.8 - 21.2)	1 in 88
2010	2002	11	14.7 (14.3 - 15.1)	1 in 68

Prevalence per 1000 children



KP RESEARCH AND AUTISM

Health

news.google.com/news/section?pz=1&cf=all&ned=us&topic=m&siidp=00b0c8e84dc8655554f1fa23fe0e8383f2d7

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Salmonella

Epilepsy

Acetaminophen

Diabetes mellitus

Polio vaccine

Hypertension

Spotlight

Health

Diabetes During Pregnancy Could Be Linked to Autism, Study Finds

TIME - 46 minutes ago

(CHICAGO) - Diabetes that develops early in pregnancy may increase women's chances of having a child with autism, according to a new study.

Is Gestational Diabetes Linked to Autism? U.S. News & World Report

Gestational diabetes increases autism risk USA TODAY

Related Diabetes mellitus »

See realtime coverage

Scientists are working on a breath test to diagnose stomach cancer

The Verge - 58 minutes ago

A new technology that analyzes exhaled breath could one day diagnose stomach cancer in a matter of minutes. The test interprets patients' "breath prints" - unique patterns of molecules that we breathe in and out everyday and reflect conditions in the body.

To Protect Your Aging Brain, Start With Exercise

WebMD - 25 minutes ago

TUESDAY, April 14, 2015 (HealthDay News) -- There are things people can do to preserve their brain function as they age, a report released Tuesday from the Institute of Medicine (IOM) suggests.

What's fueling drug sales? Obamacare and expensive meds

CBS News - 42 minutes ago

The pharmaceutical industry is on track for a banner decade. Spending on prescription medicines by U.S. patients may rise 41 percent to as much as \$480 billion by 2018, according to a new study from researcher IMS Institute for

KP RESEARCH AND AUTISM

By **LINDSEY TANNER**, AP Medical Writer for U.S. News & World Report **CHICAGO**

(AP) — Diabetes that develops early in pregnancy may increase women's chances of having a child with autism, according to a new study.

The risk was seen in young children whose mothers were diagnosed with diabetes during the most crucial period of fetal brain development. Reasons for the potential link are uncertain but it's possible that exposure to high levels of blood sugar from the mother disrupt fetal brain growth, especially in brain regions important for communication and social behavior, **said study co-author Dr. Edward Curry, a learning and behavior specialist for Kaiser Permanente in Fontana, California.**

Here are five things to know about diabetes in pregnancy, autism and the study, published in Tuesday's Journal of the American Medical Association.



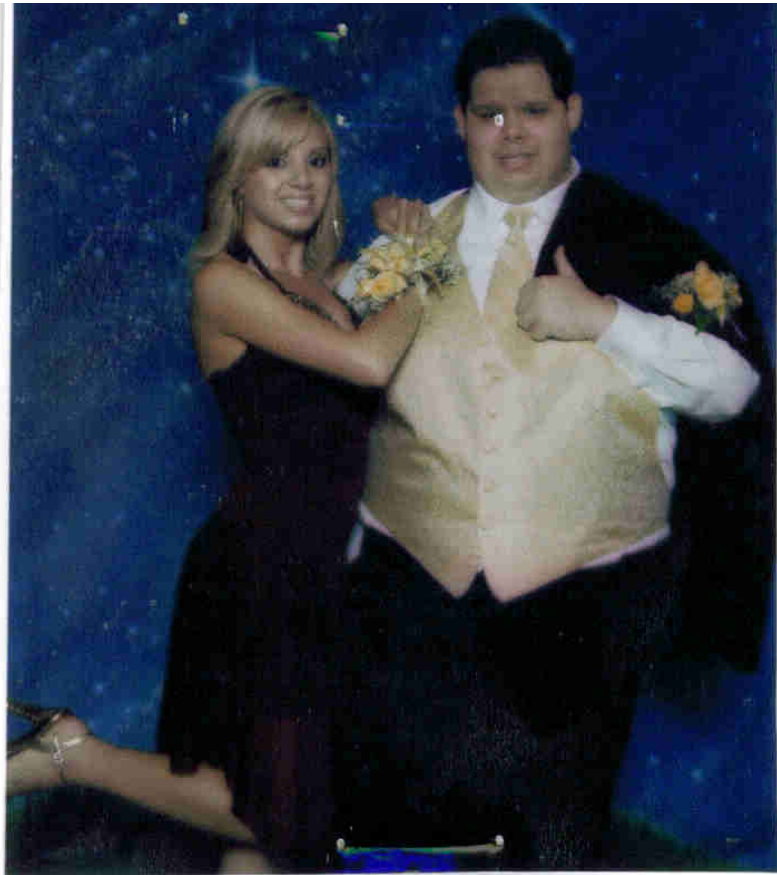
Autism Linked to Gestational Diabetes, Study Suggests

Researchers urge women to get early prenatal care.



Researchers suggest there could be a link between gestational diabetes and autism.

MY FRIEND TAD



MY FRIEND TAD AT 26



HIGH FUNCTIONING ANGELA ARTWORK



TOURETTE'S SYNDROME

TOURETTE SYNDROME

A CONTINUING EDUCATION COURSE FOR REGISTERED NURSES

30 HOURS C.E.U.

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TOURETTE SYNDROME ASSOCIATION, INC.
Southern California Chapter
11750 Sherman Way #300
Reseda CA 91335

CONTENTS WRITTEN AND COMPILED BY

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AND
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DSM 5 CRITERIA

- Both multiple motor and 1 or more vocal tics have been present at some time during the illness, though not necessarily concurrently.
- Tic is a sudden, rapid, recurrent, nonrhythmic, stereotyped motor movement or vocalization)
- Tics occur many times a day nearly every day or intermittently throughout a period of more than 1 year, and during this period there was never a tic-free period of more than 3 consecutive months
- Onset is before age 18 years

TOURETTE'S SYNDROME

CARLIE'S STORY



**IN THE END
IT'S ALL ABOUT THE KIDS**



In loving memory of our

PRECIOUS ANGEL

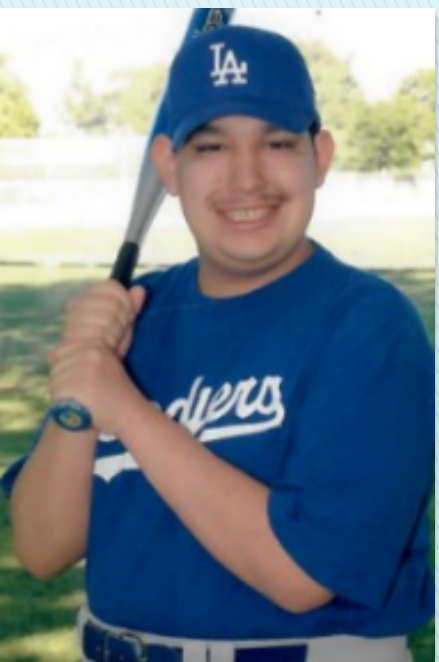
Michelle Krysten Rainville

daughter of

Gerard & Lori Rainville



AUTISM ROCKS



KEEP ON PLAYING WITH C.P.



**Joseph
Aparicio**

**Dodgers
Challenger**

Position: Shortstop
Uniform: #9
Weight: 90 lbs.
Age: 15
Height: 5' 2"

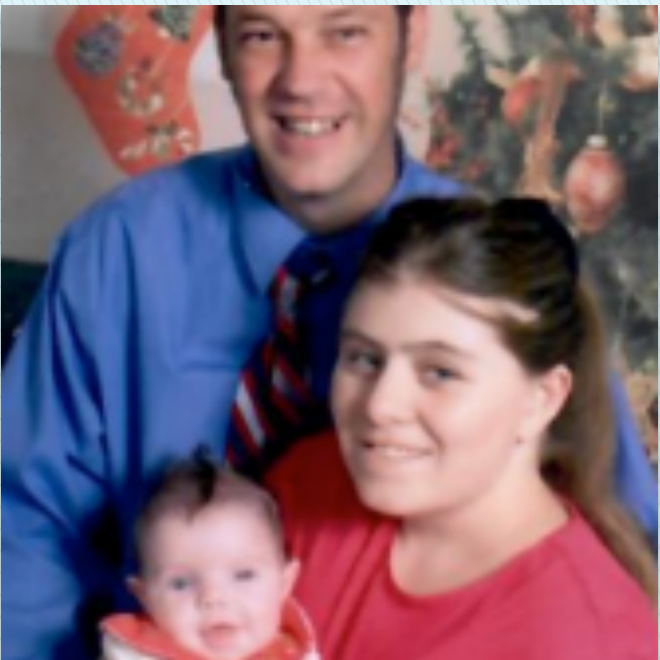
**Montclair
Challenger
Little League**

This sensational young player
excels and is a probable
MVP his third season!

#525
2001



FAMILIES GROW THRU THE YEARS





IT'S ALL ABOUT THE KIDS



Dear Dr. Curry,
Thank you for being
my doctor and helping me to stay
healthy. You have been my
doctor since I was born
and now I am 18! That's
18 Years!
I will miss you forever
When you retire.
Love, your Friend Andy

REFERENCES

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- **American Psychiatric Association** (2013). *Diagnostic and Statistical Manual of Mental Disorders* (Fifth ed.). Arlington, VA: American Psychiatric Publishing. pp. 5–25.
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- **Singer HS.** "Tourette's syndrome: from behaviour to biology". *Lancet Neurol*. 2005 Mar; 4(3):149–