A large, soft pink brushstroke graphic that serves as a background for the text. It has a textured, painterly appearance with varying shades of pink and some darker edges, suggesting it was created with a brush.

We've Come a Long Way Baby! A Mother's Thoughts and Reflections on EHDI Then and Now

ANDREA AMESTOY, RN/TBLV/COMS

INTRODUCTION



Then...and now...



Need to locate follow up then...

1409

IDAHO SOUND BEGINNINGS
REFERRAL FOR AUDIOLOGIC RESCREENING AND/OR DIAGNOSTIC EVALUATION

HOSPITAL: St. Alphonsus Today's Date: 02/12/07
BABY'S NAME: Ryder (M) X (F) DATE OF BIRTH: 01/12/07
Mother's Last Name (if different from baby's): _____

• BABY'S HOSPITAL MEDICAL RECORD #: _____

• RESULTS: Inpatient Screen - Refer Screening Method: ABR OAE _____
Outpatient Re-Screen - Refer Date of Re-Screen: _____

• BABY'S PRIMARY PHYSICIAN: W

• PARENT/GUARDIAN:
Name: Andrea
Address: _____
City: Boise State: ID Zip: _____
Phone: _____

• AUDIOLOGIST/CLINIC REFERRED TO:
Name: Idaho EHR Hearing & Balance
Address: 104 W. State
City: Boise State: ID Zip: 83702
Phone: 344-4843

DATE OF DIAGNOSTIC EVAL. (if known): March 05 @ 2:20

RISK INDICATORS:
 Family History (Permanent Childhood Hearing Loss)
 Gestational Age < 32 weeks
 Syndrome Associated with HL
 Low Birthweight (<3.3 lbs.)
 Congenital Infection (e.g. T.O.R.C.H.)
 Postnatal Infection (e.g. Meningitis)
 Hyperbilirubinemia (requiring transfusion)
 Craniofacial Abnormalities
 Low Apgar Scores (<4/1 or 6/5)
 Mechanical Ventilation > 10 days
 Ototoxic Medications
 Other _____

Information on **financial assistance** for the audiologic evaluation can be obtained by calling the **Idaho Care Line at 800-926-2588** (voice), 208-332-7205 (TTY).

I hereby give permission to the staff of the above-named hospital to release **medical** information necessary to complete an audiologic evaluation for my child to the above-named audiologist/clinic (or the audiologist of my choice) and physician. I also give permission to the above named hospital and audiologist/clinic to share information about the results of the hearing screening and diagnostic audiologic evaluation with the staff at my child's birth hospital, the above-named physician, the Idaho Infant-Toddler Program, the Idaho Early Hearing Detection and Intervention Project (EHDI), Idaho School for the Deaf and Blind, and Idaho Hands & Voices. I understand that the information will be used to ensure that appropriate and timely medical, educational, and audiologic services are made available to my child. The hospital staff has informed me of my baby's hearing screen results and of the need for either a re-screen or further diagnostic audiologic evaluation.

I have had the opportunity to read this hospital's Notice of Privacy Practices. I understand that this information will not be shared with unauthorized individuals. This authorization expires 36 months from the date signed.

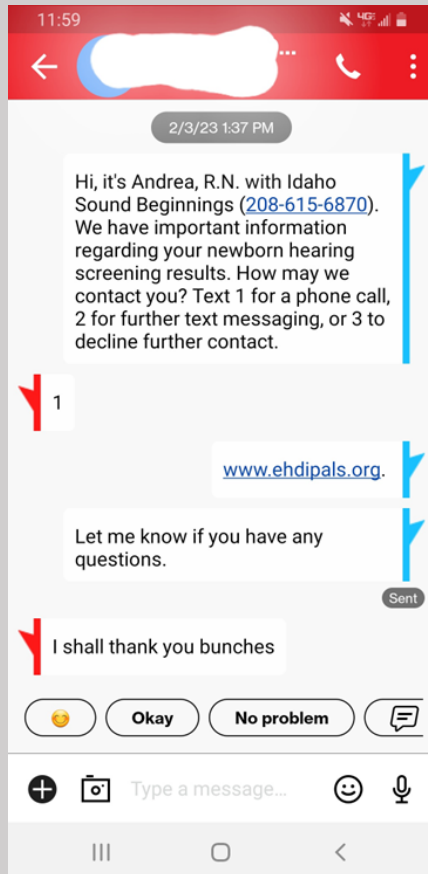
• PARENT/GUARDIAN: *Andrea C Date: 2-14-07
(Signature required)

TO THE SCREENER: Please return this form within 10 days* of referral date to:
Idaho Sound Beginnings (EHDI) Project
1720 Westgate Dr., Boise, ID 83704
(208) 334-0983, (800) 433-1323 or FAX: (208) 334-0952

DISTRIBUTION: White-Audiologist, Gold-EHDI Project, Yellow-Physician, Pink-Hospital, Green-Parent(s)
*If baby does not return for Outpatient Re-Screen, form is to be distributed within 30 days of Inpatient Screen Date

FORM 4100-0001 01-01-0004

And now...



EHDI-PALS

<https://www.ehdi-pals.org/>

Early Intervention-Virtual!



Consent for the Use of Virtual Early Intervention

Thank you for your interest in using Virtual Early Intervention (EI) as a service delivery method for you and your child. The Idaho Infant Toddler Program (ITP) requires that consent be signed prior to the start of services delivered through virtual visits. Please read the consent information below.

Parent(s)/Guardian Acknowledgement and Statement of Consent

I understand that my child and family may receive early intervention (EI) services through virtual visits. I also understand that federal and state laws require I consent to the following:

1. I consent to a Webex test run session using my personal device to ensure my connectivity, audio and visual technology meets the requirements to complete virtual EI visits.
2. I consent to the delivery of EI services by virtual visits over a computer, tablet, or smart phone between Department of Health and Welfare EI professionals and my family/child. I understand that the availability of virtual visits will depend on the type of technology, devices or system requirements used.
3. I understand that benefits of virtual EI may include reduced cancellations due to family member illness or bad weather, as well as increased comfort, convenience and flexibility for the family. I understand that virtual visits will be made over a secure connection and have the same level of confidentiality protections as in person visits as defined in the "Child and Family Safeguards in the Part C Early Intervention System" brochure. I also understand that EI professionals will have the same licensure/certification and apply the same standard of care as EI professionals during an in person visit.
4. I will have access to all EI records and information resulting from the sessions conducted through virtual visits as I would during in person visits, and as provided for by law.
5. As with any internet-based communication, I understand that risks include the possibility of technical issues.

Connection at your fingertips... immediate access to resources

- <https://www.isu.edu/magazine/f2017/in-this-issue/meridan-lab-helps-hatch-a-childs-potential/>
- <https://podcasts.apple.com/us/podcast/hearing-mamas-tribe/id1609825111?i=1000552681619>
- <https://www.stlukesonline.org/health-services/service-groups/childrens-services/parent-mentor-program/meet-our-parent-mentors/andrea>



FAMILY GROUP



About Us...

As parents of children with hearing loss, we want to support your family and share our experiences and resources.

Why...

Connect with other parents and professionals. Zoom in, ask questions, share stories and experiences or just listen.

When...

Every Tuesday at 10:00am
Register at
<https://isu.zoomus/meeting/register/tZMrD-2oqTtG9CF2iQRyRSDOA59TOzlcDcX>



Idaho State
University



HATCH lab

Deaf Mentor Programs/Snap Shots

- https://www.infanthearing.org/dhhadultinvolvement/states/all_states.php
- <https://idahotc.com/Portals/0/Resources/371/Brochure%20Deaf%20Mentor%20Mikkel%20%2010.18.2017.pdf>

Deaf Mentor Program



- ✓ Helping Idaho families create an effective bilingual environment in homes & communities.
- ✓ Proven approach to help families learn ASL through everyday routines with their children.
- ✓ Children with Deaf Mentors have higher linguistics skills and social emotional skill.
- ✓ Families with Deaf Mentors have strong abilities to communicate understand their child



Snapshot Providers

- ✓ Provides families of children recently diagnosed with hearing loss the opportunity to meet deaf adults and share experiences.
- ✓ Deaf or Hard of Hearing adult who provides a 'snapshot' look into the life of a person who is deaf or hard of hearing.
- ✓ May use ASL, spoken language, cued speech, signed English or a combination of these languages and modalities to communicate and interact with others in their world.
- ✓ Can meet with families weekly for up to 6 weeks virtually, in the family's home, or in the local community.

Hearing Aid Coverage then...

Hearing and Balance Centers at the Elks
IDAHO ELKS REHABILITATION HOSPITAL

510 N. 2nd St., Ste. 201, Boise, ID 83702, P. 208-483-4999 www.idahoelksrehab.org
Located in Boise, Meridian, and Nampa

NAME: Ryder IERH ACCT. NO. _____
ADDRESS: _____ IERH MED. RECORD NO. _____
Boise PHONE NO. _____

I have been counselled concerning:

1. Operations manual <u>read</u>	7. Adjustment to aid(s)/Realistic expectations <input checked="" type="checkbox"/>
2. Battery ingestion/use <u>see 13 (orange)</u>	8. Use in car <u>N/A</u>
3. Hearing aid insertion <u>practice</u>	9. Warranty period <u>exp. 9 yrs</u>
4. Hearing aid removal <input checked="" type="checkbox"/>	10. Hearing aid insurance <u>1 yr L915 (Boise delist)</u>
5. Use with phone/telecoil <u>N/A</u>	11. Trial period <u>45 days</u>
6. Care of aid(s) <u>keep dry / scrub daily</u>	12. Return fee/Non-refundable <u>0</u>

I understand that the hearing aid(s) are specifically fit for my needs. If I do not satisfactorily benefit from these hearing aid(s), I may return one or both during regular business hours within _____ calendar days for a full refund minus a \$ _____ return fee per hearing aid. I have been counselled that hearing aids do not restore normal hearing. I have been explained the realistic expectations about the benefits of hearing aid use.

The price of the hearing aid(s) includes one (1) pack of batteries. IERH will honor the warranty period specified by the manufacturer of the hearing aid(s). I understand that the price of the hearing aid does not include the initial diagnostic examination fee.

HEARING AID MANUFACTURER	CIRCUIT	STYLE	SERIAL NUMBER	PRICE
<u>Siemens</u>	<u>Artis 2 P</u>	<u>BTE</u>	<u>EQ25679</u>	<u>\$2000</u>
<u>Siemens</u>	<u>Artis 2 P</u>	<u>BTE</u>	<u>EQ35925</u>	<u>\$2000</u>

OTHER \$ ~~1000~~

TOTAL PRICE \$ 4000.00
PAYMENT \$ 0
BALANCE DUE \$ 4000.00
DATE BAL. DUE \$ 1/2 now 1/2 6 month payments

Buyer Judith Date 5-22-07
Clinical Audiologist Alan P.H. Date 5/22/07
License No. AUD-18125

Per IERH Add 1

And Now...

boisestatepublicradio.org/politics-government/2019-01-23/idaho-kids-to-get-hearing-aids-thanks-to-legislative-rule-change

Amestoy, Andrea Jo... B/VI - Home One D... Baby Talk: Archive |... Blind Children's Res... Centricity™ Time a... Cerebral Visual Imp... Cerebral Visual Imp... Cheat Sheets | State...

BOISE STATE PUBLIC RADIO npr

BSPR News On-Air
Idaho Matters

NEXT UP: 1:00 PM BBC Newshour All Streams

Politics & Government

Idaho Kids To Get Hearing Aids Thanks To Legislative Rule Change

Boise State Public Radio News | By [Samantha Wright](#)
Published January 23, 2019 at 9:54 AM MST

LISTEN • 1:22

More Politics & Government Stories From Idaho Capital Sun

- 1 Idaho legislators are weaponizing government against transgender kids and their doctors
- 2 Idaho House passes bill to criminalize false reports of child abuse
- 3 Legislative committee advances bill to move Idaho's presidential primary elections back to May

Type here to search 33°F 12:19 PM 2/23/2023

Hearing aids covered!

Blue Cross of Idaho
P.O. Box 7408 Boise, Idaho 83707-1408

Page 1 of 3

**EXPLANATION OF BENEFITS
THIS IS NOT A BILL**

<EBS>

If you have a question about your claim, please call Customer Service at 208-331-8897 or 1-866-804-2253
www.bcoidaho.com

SUMMARY For claims processed through 10/19/2020

Patient	Enrollee #	Group			
Kyli					
SERVICES SUBMITTED BY	CHARGES	NETWORK SAVINGS <small>Amount saved by using a Blue Cross of Idaho contracting provider</small>	OTHER INSURANCE <small>Amount your other insurance paid</small>	AMOUNT WE PAID <small>Payment made to Provider</small>	WHAT YOU OWE OR MAY HAVE PAID THE PROVIDER
		0.00	0.00		0.00
St Lukes Clinic	6,300.00	1,260.00	0.00	4284.00	756.00
TOTAL	6,400.00	1,260.00	0.00	4384	756.00

DEDUCTIBLE STATUS

For benefit period 07/01/20-06/30/21, the following has been satisfied:	77.96 of the 350.00 Individual Deductible 950.00 of the 950.00 Family Deductible
For benefit period 07/01/20-06/30/21, the following has been satisfied:	0.00 of the 600.00 Individual Out-of-Network Deductible 0.00 of the 1700.00 Family Out-of-Network Deductible

Please help by calling our hotline at 800-682-9095.

(OVER)

27 States Now Mandate Hearing Aid Coverage!

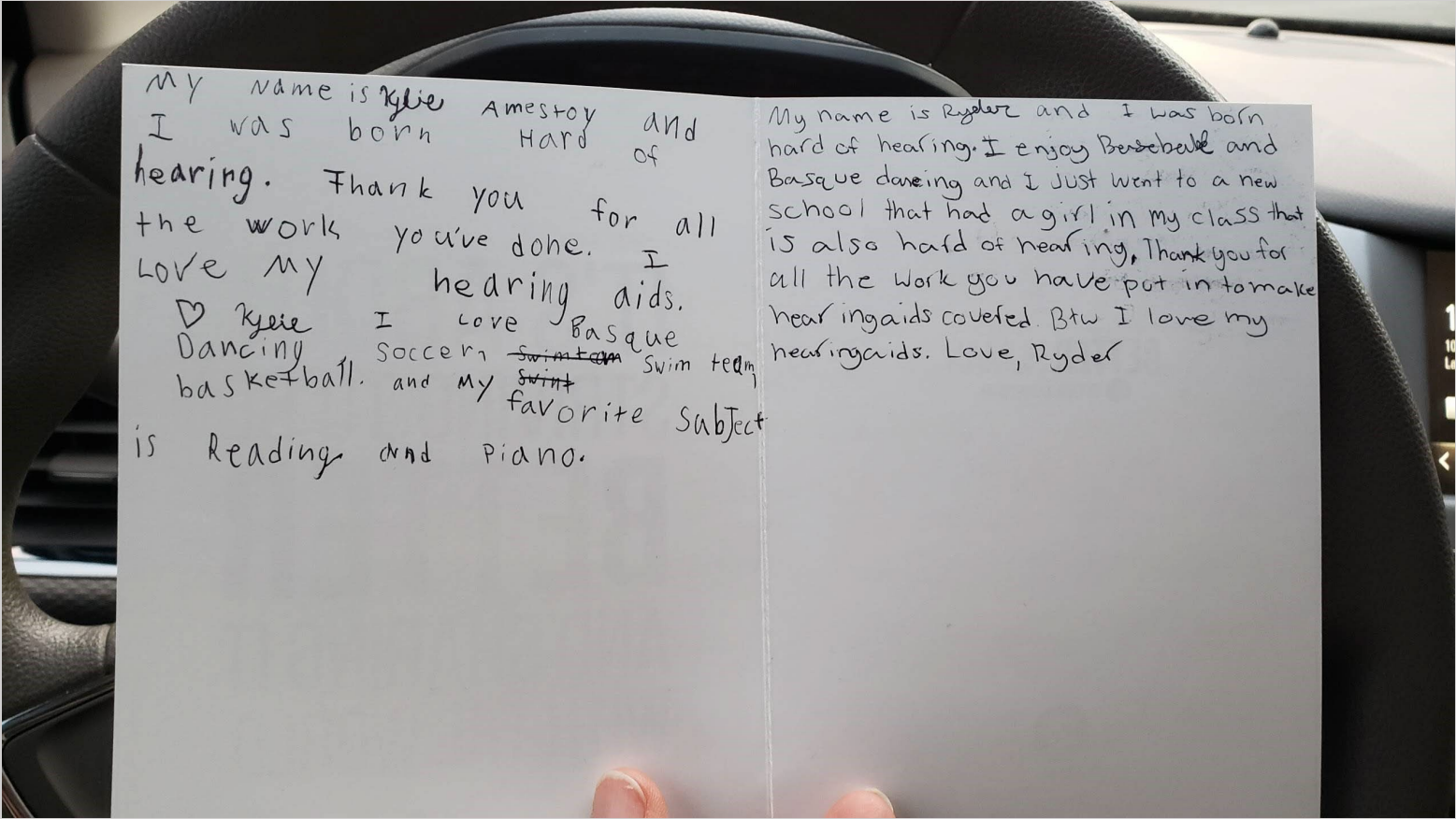
- <https://www.audiology.org/wp-content/uploads/2022/02/State-Hearing-Health-Insurance-Mandates-2022.pdf>



We did it!



Children learning civic engagement!



Hearing aid technology and retention then...



Improvement in Hearing Aid/CI Technology now...

- ✓ Directional microphones
- ✓ Digital feedback cancelation to decrease whistling noise
- ✓ Open fit/open canal to decrease occlusion effect of own voice when speaking
- ✓ Digital processor analyzes the sound entering the microphones and classifies the listener's sound environment. Higher technology hearing aids are now able to determine if the wearer is in a quiet situation, a noisy environment, or automobile. Classification systems can also determine if there is music present and make appropriate adjustments.
- ✓ Wireless connectivity: connect to cell phones, computers and television.
- ✓ Electro-acoustic stimulation, or hybrid devices, received FDA approval two years ago. This can be the solution for those who hear too well to receive a conventional cochlear implant, but who cannot use a traditional hearing aid.
- ✓ Cochlear implant with no external components approved in June 2022.
- ✓ Use of artificial intelligence to automatically activate the most suitable mix of settings, programs and features in new CI's.

Artificial intelligence moves hearing aids forward

A **deep neural network** allows hearing aids to better mimic how your brain would hear sounds and speech if your hearing wasn't impaired.



Technology Retainment



- <https://www.youtube.com/@andreaamestoy8528>
- Hearing aid pilot caps, hearing aid suspenders, cochlear implant hats, ear gear, tiles/air tags, locator apps on phone.

Accessibility on smart phones

- <https://www.apple.com/ca/accessibility/hearing/>
- <https://www.android.com/accessibility/audio/>
- <https://otter.ai/>

What Caused My Child's Hearing Loss...then

UNIVERSITY OF IOWA
HEALTH CARE

Molecular Otolaryngology & Renal Research Laboratory

The University of Iowa
3270 CH200
Iowa City, IA 52242-1078

319.335.7997 Tel
319.333.5865 Fax
www.healthcare.uiowa.edu/lab/morl

Molecular Otolaryngology & Renal Research Laboratories (MORL) - Clinical Diagnostics Services
CLIA ID: 16D0966193

Patient Name: Amestoj
DOB: 9/
Sex: Female
MORL ID:

Ordering Physician: Dr.
MR#:
Sample Received Date: 3/25/2011
Report Date: 6/25/2012

Genes Analyzed: *GPR98*
NCBI RefSeq: NM_032119.3
Encodes protein: G protein-coupled receptor 98
Map Position: 5q14.3

Screening Methodology:
1. Mutation scanning of the coding region of *GPR98* using DIPLC and/or direct sequencing.

Analytical Sensitivity: Greater than 99%

Result:
GPR98
1. c.16927_16928msA
2. c.12185G>A p.Arg406Gln } mutations in different areas of gene.

Interpretation:
These results mean that two novel mutations were identified in your patient in *GPR98* which are likely to be disease-causing and associated with Usher Syndrome Type II (USH2C). Clinical correlation is recommended.

I hope this information is helpful to you in the care of your patient. Should you have any questions regarding the interpretation of these data, please contact me.

With kind regards,

Richard Smith
Richard JH Smith, MD
Sterba Hearing Research Professor
Director - Molecular Otolaryngology Research Laboratories
Vice Chair - Department of Otolaryngology
Professor of Otolaryngology, Pediatrics and Internal Medicine - Division of Nephrology
richard-smith@uiowa.edu

MM
7-17-12

These tests were developed and their performance characteristics determined by the Clinical Diagnostics Division of the Molecular Otolaryngology & Renal Research Laboratories. These tests have not been cleared or approved by the US Food and Drug Administration. (21 CFR 809.30 [a])



And Now...

- Concurrent screening with traditional audiological measures (OAE and ABR) and genetic testing improve accuracy and prognosis of hearing loss.
- https://journals.lww.com/thehearingjournal/fulltext/2022/01000/gene_therapy_for_hearing_loss_on_the_horizon.1.asp

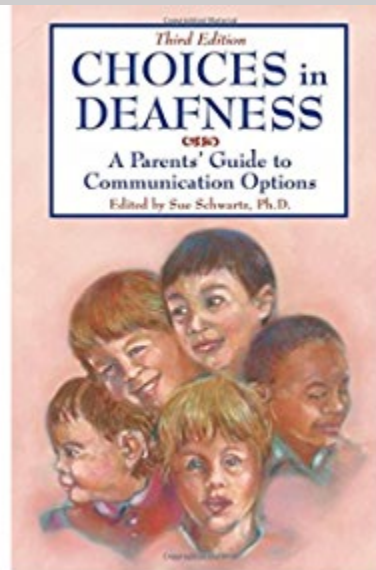
Reproductive genetic carrier screening (RCS)

- <https://womenshealth.labcorp.com/patients/pre-pregnancy/inheritest>

<https://www.acog.org/womens-health/faqs/carrier-screening#:~:text=What%20is%20carrier%20screening%3F,child%20with%20a%20genetic%20disorder>

<https://www.med.unc.edu/obgyn/mfm/our-services/a-guide-to-your-carrier-testing-options/>

Literature choices then...



★★★★★ 8

Literature with D/DB characters or D/DB authors now!

<https://bookriot.com/books-with-deaf-characters/>

<https://www.perkins.org/books-about-deafness-or-with-deaf-characters/>

<https://www.slj.com/story/four-titles-by-deaf-hard-of-hearing-and-deafblind-authors-to-share-during-deaf-awareness-month>







The Horizon...

