



Disclos	SURES
Meredith Berger	Maria Hartman
Non-Financial: • Option Schools: Executive Board, Director at Large • Children's Hearing Institute-Medical and Educational Advisory Board • NYS EHDI Advisory Committee	Non-Financial: Children's Hearing Institute Board Member St. Francis de Sales School for Deaf Board Member
 Parent of a child with microtia/atresia, uses Cochlear bahas 	DaeShawn Hall None
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TEACHERS COLLEGE COLUMER DURING COLLEGE COLUMER DURING COLLEGE (The Joint Committee on Infant Hearing, 2019) 1:3:6 1 All Infants-hearing screening no later than one month of age 3 Diagnostic audiologic evaluation to confirm the infant's hearing status no later than 3 mo 6 Family centered El services services should begin ASAP and no later than 6 months of age And: Immediate referral to Early Intervention.

Immediate access to high-quality, well-fitted, and optimized hearing aid technology. If the family chooses, fitting of hearing aid amplification **no later than four months of age**

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JCIH Recommendations-Microtia/Atresia

Timing of Newborn Hearing Screening

Infants with congenital aural atresia in one or both ears or with visible pinna/ear canal deformity such as stenosis or severe malformation should not be screened in either ear but should be referred for diagnostic audiologic evaluation immediately upon discharge. The diagnostic audiologic evaluation internatively upon discharge. The diagnostic audiologic evaluation internatively upon discharge. The diagnostic audiologic evaluation immediately upon discharge. The diagnostic audiologic evaluation internatively upon discharge. The diagnostic audiologic evaluation can also be accomplished while the infant is in the NICU or other inpatient hospital unit.

Referral to early intervention services

The purpose of early intervention is to achieve optimal child and family outcomes. Hence, the audiologist must make the referral for Part C Early Intervention (IDEA, 2004) services as quickly as possible following confirmation that a child is deaf or hard of hearing. Federal regulations require that this referral be made within seven working days of diagnosis (IDEA, 2004). In cases of congenital aural attersia, the referral can and should be made by the birth hospital.

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Children with mild bilateral and unilateral hearing loss Parents' reflections on experiences and outcomes.	TEACHERS COLLEGE COLUMBIA UNIVERSITY A Ginduno School of Education, Hudib & Psychology
Fitzpatrick, E., Grandpierre, V., Durieux-Smith, A., Gaboury, I., Coyle, D., Na, E., & Sallam, N. (2016). Bilateral and Unilateral Hearing Loss: Parents' Reflections on Experiences and Outcomes. <i>The Journ and Deaf Education</i> , 21(1), 34–43. https://doi.org/10.1033/deafed/env047	
20 parents of children mild bilateral or unilateral	
≻4 children had conductive loss.	
Diagnosis process was hard and filled with uncertainty	
Importance of the hearing loss was minimized by profession	onals
>Uncertainty about need for amplification	
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Parental preferences for the first consultation for microtia.	TEACHERS COLLEGE COLUMBIA UNIVERSITY A Gridum School of Education, Huddh & Psychology	
tot Westerflier, C. V. V. H., Stegeman, I., Muradin, M. S., Smit, A. L., & Breugem, C. C. (2018 preferences for the first consultation for microtia. <i>International journal of pediatric otorhim</i> 10-15.		
▶87 parents		
Survey regarding initial information presented to parents after their child's birth		
≥26% received no information after birth		
≻60% of parents describe the initial informing consult as "terrible" or "bad"		
▶1 parent (.01%) described initial consult as "excellent"		
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Microtia: epidemiology and genetics	TEACHERS COLLEGE COLUMBIA UNIVERSITY A Ginduus School of Education, Headb & Psychilagy
Luquetti, D. Y., Heike, C. L., Hing, A. Y., Cunningham, M. L., & Cox, T. C. (2012). Microtia: epidemiology and gen Medical Genetics Part A, 158(1), 124-139.	etics. American Journal of
>0.83 to 17.4 per 10,000 births	
>Hispanics, Asians, Native Americans, and Andeans at	the higher end
Black/African descent-least likely	
≥20-40% higher in males	
Right ear-60% and unilateral 80-90%	
Vertebral anomalies, macrostomia, oral clefts, facial a abnormalities, cardiac defects, microphthalmia, holop and polydactyly –many are associated with Oculo-aur spectrum (OAVS)	prosencephaly,
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Race/Ethnicity		A Graduate School of Education, He
White/ Caucasian (only)	16	
Black/African-American or African and White/Caucasian	0	
Asian or Asian bi/multiracial	2	
Hispanic/Latino or Hispanic bi/multiracial	2	
Asian/Hispanic multiracial	1	





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Response/reactions of medical professionals in hospital Newborn hearing screening experience Referrals for follow up after leaving hospital
Cause/Blame Immediate Future
Amplification Communication Modality Early Intervention
Sources of Information What helped Early Intervention
Professionals Other/new parents

-		

Knowledge, support and awareness in hospitals Reactions/responses of medical staff "I think it was a student or a nurse or someone who wasn't really involved who told us "you'll see he has an ear deformity" After the whole fear of losing him, it was just a little traumatic how they told us but that's how we were informed."

"I think no one in the room really knew what to say or what call it, microtia or anything right then. I think they just you know, noted that his ear didn't look normal and they brought in a NICU doctor...I think that NICU doctor said he thought they'd probably call it microtia"

"When the pediatrician came upstairs. She's looks at her ear canals-and said they're closed, we're going to have an ENT come and take a look. And that was kind of it in like the first like, I don't know, like, the immediate 30 to 40 minutes from when she was born."

Lack of timely and accurate information

"They were saying that before you leave the hospital, an ENT will come and look at her ...we were there for 2 days and no one came. We kept asking & asking- no one ever came."

"we didn't even know the name until like three months later until we got into see the SNT" larke Schools Berger, Hall, & Hartman 2022

Dr. Google

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 "The microtia part... I didn't really get anybody to explain that to me. Like this stage three thing. I didn't even find that out until I asked because we googled and I'm like, hey, there's all different kinds on here."

- "We did our own little Google search- this is probably like this word. I don't know exactly how to say it. You know? And it looks like it's not really very harmful or, or anything. I think this is probably what it is. We got a little google research of our own. But no one said, Oh, this is microtia, this is atresia.
- "it's like a horrible thing to Google something and like the first thing it says, you know, microtia is a congenital birth defect"
- "We kind of just self-diagnosed and figured it out kind of on our own. When we left the hospital, we were pretty confident she had grade three microtia- that was purely on our own researching"

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Self-blame and concerns for the future	TEACHERS COLLEGE COLUMBIA UNIVERSITY A Gastage School of Education, Health & Psychology		
This is my fault.			
"My first thought was shit, what did I do wrong? It sounds horrible. But your first thought is, should I have eaten that or what did I cause to, you know, do to cause this?"			
"You think how did I fail her? She was inside of me, what did I do that caused it? "			
"I was not a drug user. I was not drinking while pregnantwhich was helpful when people ask questions for me to say it wasn't my fault, because it's very easy to feel like I did something wrong during pregnancy. And that was not in fact my fault"			
Concerns for the Future			
"You think, what will her life be down the road? Is this going to be a burd to make her peers tease her? You already start thinking of those thoughts			
"Everybody said he's gonna be bullied. And he will have difficulty in schoo one ear."	ol if he has only		
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Experience with EHDI

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- "We had a very rough ABR because actually their machine wasn't working. And so we were
 sitting there watching and not seeing any activity. And we were just crying thinking, Okay,
 he's, he's deaf. That's just what our life will be we'll deal with it. And it was a young
 audiologist who I think was newer to the clinic or the hospital. They were both trying to
 troubleshoot the machine. And it it took them way too long to let us know that what's going
 on, we just thought he can't hear."
- "It wasn't until I found the Facebook groups...And then I learned a lot from there. It was very shocking to see all those babies with bahas because I didn't even know that was an option for him."

Early Intervention

- "I was asking about speech, and the EI official said he's so young, we don't do anything until we know there's problem."
- The speech therapists were curious, because I was the only one they had. So they
 were more curious about how does it work kind of questions and more like asking me
 like a health care provider or pediatrician."

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Recommended by Parents for Professionals

- Provide parents with clear steps to follow or a single point of contact
- Increase awareness of microtia/atresia with general doctors/hospitals
- Connect new parents with a local group or other parent and share with new parents information about the Facebook groups- Microtia Parents, The Ear Community, Microtia, Adoptive Parents of Children with Microtia
- Give accurate information to new parents so that they can make informed decisions
- 'These are the really cool products, which one do you think he would like'
- Benefits of Early Intervention
- Not hearing well affects language

Remember: "It might hurt us at the beginning but we want the information"
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