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Grand Rounds by ReSound: Coupling Matters-Basics of Domes, Earmolds and Encased Receivers Options

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Hello everybody. I'm LainaBurdiek, aud, field training audiologist for Resound. And today our course is titled Grand Round by Resound Coupling Matters. And this is the basics of domes, ear molds and encased receiver options. So here are our risk and benefits there and our learning objectives, so you can read those.

If you need further information after this course, feel free to reach out to your Resound team, which is listed there on the screen. So let's get started. You asked, we listed. So these new domes came as a direct request from clients, clinicians and people just like you. We asked how we can support you better and listen to your needs.

So thank you for so much for telling us about the need for different and new domes. We are excited to introduce our new All Fit domes. These domes are compatible with the CF3 and CF2C receivers. Your patients can continue to use our SureFit domes or you can upgrade to these new All Fit domes. Just tell the software which version you are going to use to keep accurate record keeping and rerun calibration if you want to change.

So let's get a look at these new All Fit domes. So something that I am most excited about is all of the different sizing options and different styles. So there are five styles and a lot more sizes. So we got a look at all these different options by taking 16,000 real ear mold impressions and and digitally seeing if these domes fit into all of those different real ears. And the new all fit domes fit 97% of those 16,000 ear impressions.

So super exciting that there are more options, more sizes, a little bit better bass response and a new sleeve dome. So, so let's kind of dive into all of these new options. So we are going to go from least occluding to most occluding. So we're going to start with the new open dome. And as you can see here, it looks a little bit different than our previous open domes.

And this will give improve base response. There's also more sizes. So, so from extra small, small, medium large and extra large. As we move up to the next dome, a little bit more occlusion here. And this will be our tulip dome.

And the tulip dome with the surefit domes had one size. With our new All Fit domes there are two sizes. So the previous surefit tulip is now comparable to the medium sized tulip here and we made a size smaller. And I have to say personally, tulips are one of my favorite domes. So I'm really glad that they're now two sizes.

And if we keep going, our next one is the new design, which is the sleeve dome. And you can see here it is a longer dome. It also comes in three different sizes, small, medium and large. And it is really designed for physical and listening comfort. As we go up to the next dome, this is vented in the surefit domes.

We called something similar to this our closed. But in the outfit dome, we're calling it vented. This also has more sizes from extra small to extra large. And then lastly is the power dome and it has an additional extra large size. So you can see here from open, which is the least occluding to power, which is the most occluding.

We have a whole new shape of dome for the sleeve dome and a couple of other sizes for everything in between. So quite a few options here for dome shape and size. Let's take a closer look here at what else has changed with these new all fit domes.

So there is improved acoustic properties and durability. So there is more bass response below 2Khz and 5dB below 1Khz and a softer peak around 2.5Khz. You can see there is an additional wax protection. So that loop there gives an additional protection against getting wax down into the receiver. And it is a little bit thicker and robust than before.

So a slightly thicker silicone for more stability. And if we look at the new sleeve dome, again, designed for wearer comfort and intended to be an instant fit kind of dome available in three sizes. So because this dome is a little bit longer, some people have had questions about how to take this dome on and off the receiver. So this next one is a video on how to take this on and off there. So we're going to get a look at.

There will be two ways to get this receiver on.

So we will take a look here and we will see how this receiver will go on to this dome will go on the receiver. So you can see that sleeve dome is on and she pinches it at the tip and it will come right off to put a new one on. There is an angle to both the receiver and the dome. Your first option would be placing the receiver right into the dome and putting it on that way. For another option with a little bit more visibility, you can flip that sleeve dome inside out.

And now you can see right where the receiver goes into the dome.

And then as it goes in, you can just flip that dome back right side out and you are good to go. So those are two different ways that you can put that sleeve dome onto the receiver. This sleeve dome is also a great option for our Marie receiver. So this Marie receiver, if you remember, has a microphone that goes down into the ear canal. And.

And it has a couple of benefits that you can see along the bottom there, including natural sound quality, better localization, low wind noise, and easier phone calls for holding the phone up to your ear. So this dome makes it really easy to give that Marie receiver a try on those patients. So now we've talked about all the different shapes of the domes. Let's look at the acoustic performance. So here we have the open and tulip dome.

So you can see we're going from least occluding to most occluding as we keep moving on. On the left, we have the sleeve dome. In the middle we have vented. And on the right in the teal, is the power. So you can see these fitting ranges are all on the screen.

But we'll talk a little bit later about encased receivers and ear molds. And that's where you can go if you have more hearing loss than the domes will allow. So let's look at the venting effects for these domes.

So again, red would be the open. And you can see there's different venting effects for all of these different domes. So something to keep in mind as you're doing fittings with these domes. So now here are some scenarios for you guys, so if you can find those reactions here. Our first scenario is your patient is doing well and using multiple programs, but still wants to hear better in noise.

Are we going to give them more or less occlusion? So give me a thumbs up for more and a heart for less.

All right, we're getting some more here.

Perfect. We do want to give them more occlusion. So if we remember that line of domes, we want to go up, we want to go to the right and give them a more occluding dome. Okay, here is our second one. Your patient has been wearing vented domes from another manufacturer to control for feedback, but would like to try something more open.

Are we going to do more or less occluding?

So your patient's been wearing vented from another manufacturer to control feedback, but you'd like to give them something more open feeling.

We're going to do more or less occlusion? Yeah, we're going to do something less occluding. Great thing about resound is we don't cut gain to handle feedback, so you don't have to worry about Cutting gain to handle feedback.

Okay, and our next scenario here. Okay, your patient has been wearing SureFit 3. So that's our previous generation of open domes and reports that streamed music sounds thin. Are we going to do more or less occlusion?

Perfect. Yep. So we, we can definitely go again to the right on that line of domes and get more occlusion. So awesome job guys. Thanks for reacting there.

So let's next talk about what we can do to move from SureFit domes to all fit domes in the software. If you are at Smart Fit 2.3 or above, it will give you an option to tell the software what all fit domes you are going to use. So that state fair ribbon gives you the suggested domes and it will suggest the new all fit domes. But if you want to continue using the SureFit domes, you scroll in that menu, you can see the SureFit domes here. And here are suggestions for transitioning patients to all fit domes.

So you want to recalibrate the feedback system, the digital feedback system for better acoustic performance.

You also want to provide patient counseling for expectations that they may notice. So if you have moved them to something more occluding, you may just give them a heads up. You know, your voice may sound a little bit different because we're keeping more sound in your ear. Or you may just tell them, hey, there is a wax loop now and counsel them how to clean that new wax loop and then plan for some minor adjustments and fine tuning. So this is more like give yourself time in the appointment to make some minor gain adjustments as they notice a change in the acoustics and then re verify if you have verified them with the previous domes so you get the most accurate fit for gain.

So one of the reasons you definitely may want to re verify is if you look from the SureFit on the left to the Alpha on the right, there are differences in the physical sizes as well as how much venting or openness there are to the different domes here. So this is measured in millimeters, so you can see left to right. Great to look at for size. Also great to look at for venting. So this is a reference and this is also in your handouts if you want to print this out and keep it handy on your desk.

So one of the things to counsel about is that new wax loop. So let's look at a video here about how to clean that new wax loop.

So here we go. You can see I'm just going to mute that music there. You can see that you can take a cleaning Cloth and wipe it off.

This is also a great video to send to patients and this is on our YouTube page.

And then you can take that little loop and go through the wax loop at the top.

Both of these are included in your box for all new fits. So the brush and the cloth. Great video to send out to your patients if they need help or just are a visual learner rather than seeing it on paper. So a great thing there.

Now we are going to talk about ear molds. So we saw the fitting ranges for our domes, but if we have more hearing loss or those domes just aren't quite staying in their ear or fit issues, we have a lot of options for a custom mold for Rix. So in this one we are just talking mostly about ear molds for rics. Let's take a look at our first one here. Our first one would be an encased receiver.

So this would be having the receiver actually down in the custom part of the hearing aid. This would be recommended for open fits and mild to severe hearing hearing losses. You can see what is listed here that is compatible for receivers. So it's compatible for all different strengths of receiver. It is not compatible with the Marie receiver.

So just keeping that in mind, our ultra power receivers are always encased receivers. So really good to get all of that strength from for these more severe hearing losses.

Next we have the micro mold. So we consider this excellent for cosmetics. This one is compatible with the Marie receiver. So a great option there. It is available in both hard and soft materials, so it has more of an open fit.

Next one down is our hollow cavity. So much like a micro mold, but is completely hollowed out. And who would we pick this one for? So this one's excellent for cosmetics and non occluding. So if someone's looking for something very discreet, very but really open, this would be an excellent option because of that more open fit.

This would be an option for mild to moderate losses. So something for choosing that there and then again, hard and soft material.

So we also have micro mold with a canal lock. So again great for cosmetics that the canal lock adds a little bit more, a little bit more for retention. Hard and soft materials both. And just as a reminder, the canal lock rests on the antitragus semi skeleton. So who is this one for?

This one's recommended for open fit and mild to moderate hearing losses. Really great for retention and available in hard and soft materials. All receivers, some of our good old standard ones here, a half shell. So filling up the bottom part of the concha bowl. Recommended for moderate to severe hearing

losses.

So a little bit more occluding. And this is a great one for people with dexterity issues. So they maybe don't want a full shell yet. They want something a little bit more discreet, but having dexterity issues and available in hard and soft material.

So let's go up to the skeleton. And this has antitragus, conchable, and helix areas. Recommended for moderate to severe hearing losses. Again, great for dexterity, hard and soft material. And something that's really awesome about getting any of these customs is on your team.

There is a custom product advisor, and if you ever have a question about a fit or need to send in a picture maybe of an ear that's kind of tricky to get something custom in, we have someone on your team that can help you get these tricky fits for these molds working perfectly for you and your patient.

Okay. Full shell, so definitely a popular one. Who is it? Recommended for a flat, moderate to profound hearing loss. So great for retention and dexterity.

It goes. It can go for any of the receivers available in both hard and soft material.

So we have a case study here and we have this audiogram. So you can see it is going from a mild to severe high frequency hearing loss. And your patient would like to maximize his hearing and noise and is into listening in music. You can put in the chat. What dome would you.

Would you select for this patient? And you can put more than one because there's definitely some wiggle room there.

So we will see what you guys come up with in the chat.

And you could put molds in the chat too. Air molds.

Okay, I'm seeing a tulip in there.

Okay, someone said sleeve dome.

Jessica. Agree. Start with a tulip. Erica says sleeve.

Vented. Okay, we got an encased mold. You could definitely do that. Getting a lot of power there. Tulip.

Awesome. So we picked out a dome. What if they needed something more custom? What mold would you pick for for this hearing loss?

Okay, I'm seeing micro mold.

Encased mold, hollow cavity in case sits nicely.

Awesome. Those are all micro mold. Yeah, those are all really great because we don't have something super severe throughout the majority of the frequencies. So a micro mold, an encased, a hollow mold. Those are all great options here.

So as we are winding down today, we had a chance to talk about why we introduced these new all fit domes. And that was because we listened to you guys and we introduced more sizes, different shapes, and more wax protection. We also talked about what these different sizes and shapes do as far as occlusion and when you may pick a more occluding dome versus a less occluding dome. We talked a little bit about in our case study when to pick a more occluding dome for streaming music. After we talked about domes, we talked about our wide range of molds.

So all the way from a micro mold, a hollow cavity up to a full shell. So if there are any questions, please put them in the Q and A and we can answer questions. But I just wanted to thank you guys again for your time and hearing all about our all fit domes. So I will take any questions now about our basics in domes and custom molds for are Ricks.

Okay, I see a question here. How many sizes does the new sleeve dome have? So the new sleeve has three sizes, small, medium and large. The great thing is also on the dome kit, a lot of this info is printed right on the box, so definitely the sizes. But it will also have some more information right on the top so you don't have to memorize anything.

All right, I'm not seeing any other questions. Oh, I see one. Here's another one. The question is, how successful are patients at receipt replacing sleeve molds on their own? So just from my experience out in the field, I am not seeing patients having too much of a hard time replacing the sleeves domes.

Most people are not turning them inside out and they are just able to push them in like you would a normal dome. So no big problems there.

All right, Well, thank you guys again for spending this time with me. And if you have any questions, feel free to follow up with your resound team.

All right, thank you so much. I'm going to go ahead and end the session for today.