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Genie 2 Fitting Focus Series: Oticon Jet PX First Fit

Presenter: Trenton England, AuD

Welcome to our Genie 2 fitting focus series. My name is Trenton England and I am a Regional Audiologist at oticon. Thank you for being here with me today and in today's short course we will cover how to easily and successfully complete an initial fitting of Our Oticon Jet PX1 product family by the end of this course. It is my hope you will be able to explain the process of pairing and connecting Oticon JetPx instruments using our Genie 2 software, list the required initial fitting steps for Oticon JetPx, find the OpenSound navigator tool in the Genie 2 fit screen and describe the controls available.

Here are the risks and limitations inherent in today's course. Please note this slide will also be available for you in our course handout as we will not read through them today.

Okay The Oticon Jet PX1 introduces the deep neural network DNN 1.0 technology to the essential category based on our brain hearing technology, Oticon Jet PX supports the brain's natural way of making sense of sound. It is powered by the Polaris platform and offers Open Sound Navigator along with that DNN 1.0, providing your patients access to that full sound scene with DNN optimized noise reduction. It is available in one performance level, the Oticon Jet PX1 with four different styles and five colors to match individuals needs and preferences. The Minirite and Mini BTE styles are available with disposable or rechargeable battery options. The Mini BTE is also available with the traditional ear hooks as well as our Corda Mini Fit option.

Now as far as connecting and programming, The Oticon Jet PX1 products will be fit wirelessly using that no Link Wireless programming device. We recommend using the no Link Wireless two, but just so you know that the no Link, the original no Link Wireless is also compatible with our software as well as that device and also do note that no matter if you're using the no Link Wireless one or two that they will both show up as no Link Wireless inside of the Genie 2 software under our programming devices.

Now today I will be simulating a first fit with the Oticon Jet PX1 Minirite R which is our rechargeable version. Anytime you are going to be working with one of our current rechargeable devices, we will

need to deactivate battery protection mode before we can actually connect the devices inside of Genie 2 software. You will deactivate battery protection mode by placing the hearing aids in the charger and you will simply wait for the LED to turn on. You will see it as orange, which is just indicating the charging status. Once you see that LED light up, you will remove the device, you will see the LED turns green and hear that startup jingle start to play.

At that point, you can now connect your hearing AIDs wirelessly to Genie 2 using your no link wireless programmer. I also want to mention that while our hearing aids do arrive with enough charge to complete an initial fitting, we encourage the best practice of still fully charging these devices prior to that fitting. If the hearing aids will not be fit though, within 14 days, it is recommended to put the hearing aids back into battery protection mode. This is going to actually still protect that battery and save that battery life for that initial fitting. Okay, so speaking of chargers, there are two charger options for Oticon Jet PX Rechargeable Mini, right?

Or the Mini BTE hearing aids. The smart charger that we see here on the left hand side. And then we also have a desktop charger we can see on the right here. That easy to use smart charger is going to give users the freedom to travel light while keeping their hearing aids powered up and protected. IT activists actually has a built in battery that you can use to charge those devices as well as this lid on the top is going to be able to be closed to help protect them.

The desktop charger makes daily charging convenient and easy by placing it on a nightstand or dresser with easy access to drop those hearing aids right in there, get them charged up and ready to go. So now that we've kind of covered the chargers kind of, you know what programmer we may use as well as kind of deactivating that battery protection mode, let's jump over to the software and we'll kind of continue with this first fit.

All right, so what we see here now is our Genie 2 software. This version is actually 20.25.1 as far as the software version here. So earlier this year Genie 2 was actually updated with a new, more modern look. The fitting flow has now been kind of optimized and you will notice we moved all of our main menus kind of to the left hand side here underneath. Welcome, Prepare, Fit and finish.

So along with that, you will notice that we have a table of contents. Now this table of contents, I will tell you, we have it pinned up here at the top. You can actually unpin this and give yourself even a more large unobstructed view. This is fabulous for if you possibly have a smaller monitor or working on a smaller laptop. Now for today's course, I'm going to actually leave this pinned so you can Kind of follow along a little bit easier on those table of contents as I navigate through this software.

Okay. Some other items that I kind of want to just show us real quick that might be very useful for a first fit. We talked about the NOAA Link wireless device. If we still need to detect your programmer on this computer and in the software in this top right corner underneath this cog is preferences. Now once I click on that, you will notice it kind of populates a box out in the middle for me on the far left.

The third option down is going to be programming device there. This is where we have the opportunity to detect or as well as even select the programmer we will be working with. Now as I mentioned, the Oticon Jet PX, we are definitely going to use that NoLink Wireless, some other kind of things. Now I've moved back to this left hand side and if I'm moving down we see these three dots for more tools on the bottom left corner of the software. Now I want to make sure to bring this up.

If I was already connected to my rechargeable Oticon Jet PX devices, this is where I would see the ability or option to set those devices back into battery protection mode. So as I mentioned, if you know you have them fully charged and that fitting is not going to be for a couple weeks, go ahead and connect to them inside the software and set back to that battery protection mode. Just don't forget to dip them in that charger to then pull them back out to continue with that fitting. Some other items inside

here is down here, underneath this question mark is where you can see what version of software you are running on. As I mentioned, this is Oticon Genie 2.

20.25.1. Now that I can see that software version, I can tell you too. Hey, I am up to date.

The only other things I would like to kind of tell you about on this welcome screen. We do have a lot of instruction videos here. So if you are not familiar with our software, there is a wealth of information inside here that we're not going to necessarily cover today. But that is definitely a spot to check out. And I would also tell you this is where I would recommend connecting to any devices.

You would use this connect button down here in the center. Now today we are going to simulate and I will tell you if you hit simulate or connected, this would actually advance us to the prepare screen. Now on the prepare screen we are going to land on hearing instruments. This is a fabulous spot where you can kind of see all of our different families of Devices as well as the styles and features they have. Today I'm going to go down here to this jet PX1 and we are actually going to select the Minirite R which is the rechargeable Ric style Jetpacks.

Now once I kind of have this, there's a lot of information I can still kind of look at in here. First thing, I can access the different fitting levels that jetpack has. The this is good for multiple reasons. One, I can actually look at my physical device to ensure, hey, am I matching what the software is showing? Right.

If I put an 85 receiver on that device, I want to make sure the software is aware of that as well. It also gives me an opportunity to look at my patient's thresholds and make sure I chose an appropriate receiver strength for it. Now remember this table of contents. We're going to kind of almost start at the top and work our way down on on each of these menus. Okay.

So the next item we see here is personalization. So we have two options for personalization. We have the classic personalization questionnaire as well as the audible contrast threshold test. By completing personalization, we will actually be setting a number of signal process algorithms within the hearing aids based off of our patient's preferences. Okay, so the first step to completing personalization though we would actually start up at the very top underneath our client data.

First thing we would look at is actually their experience level. The way to think of this is none is going to be your new users. This, if we select this, this is going to start them out on adaptation level one. If I chose short term or part time, imagine this is going to be for my patients that maybe they've worn hearing aids for about six months or less. I also hear a lot of times these are considered the weekend warriors, right?

So they love to put on their hearing aids when family and friends kind of come over. But for a majority of time maybe they don't wear them consistently. Okay, so that will actually start them out on adaptation level two. And then the last option here at the bottom is long term. This is your consistent wears.

Right. By selecting this one you are actually just going to go ahead and put them up to target. That is going to be adaptation level three. Now since I am simulating today, I'm not working with a patient, I'm going to leave this on none. Okay.

Now next thing we kind of look at is what personalization method we are going to use. Okay. When looking at this audible contrast threshold test, if you have this in your office and you're using this test, which is performed through your audiometer. It can actually automatically bring your ACT value into the software and set it for you, or we can manually enter that value kind of down here at the bottom. Now, once you hit save, it's going to give you your severity level, which you do have the ability to edit the value if needed.

And then once you kind of confirm that, it is going to automatically re prescribe those settings based off of that. Now, everyone does not have access to this. Again, this is a test that is loaded into your audiometer. So if that is something you are interested in using, you can always contact the manufacturer of your audiometer and see if that is an option for you. Today we are going to actually use this personalization questionnaire as everyone has access to it.

So the personalization questionnaire is actually meant to be performed while the patient is not wearing hearing aids. So the first step is we are going to play this sample demo, sound demo here. And we just adjust the volume to a comfortable level for our patients. If you need to turn it up, turn it down, just confirm with them it is at a good listening level to complete the test. Once we have that appropriate volume set, I would tell you actually to give them comparisons.

I wouldn't ask the question and then play the samples. I would let them know. I am going to give you sample A and sample B and I just want to know which one you prefer or sounded better to you. Okay, so imagine, right, you're going to play about five to six seconds of sample A. Then you're going to play five to six sample seconds of sample B and then they're going to give you their preference, right?

Hey, I thought sample B sounded better. And you will then update this appropriately. I would do that on all of these questions except for this third one here. And you will notice this third one doesn't have a comparison audio sample. And it is just a yes, no question.

For this one, your patient is actually going to be almost in a outdoor setting and suddenly a dog is going to start barking. A car will drive by and honk horn. And if you look at this, the question is, I find that sudden sounds in the listening environment are unpleasantly loud. That's what we want to know, right? You play that, yes or no, you know, was that dog barking?

Did that startle you? So that way we can kind of adjust and answer this question off of that. Now, once you kind of have this completed, we are ready to move forward with our fitting. Next thing I would be stopping at is this acoustics and one thing I want you to know is when we look at this, this is our acoustic coupling, right? What dome are we using?

What ear mold are we going to be using with the jetpacks today? When we look at this list, we will notice next to open based dome, there's almost this little target with an arrow pointed at it. And I will tell you that is the software help you make a recommendation based off the information it knows from the audiogram, right? From the things we have told it. Now while it does make a recommendation, you do not have to choose that recommendation.

Choose what you feel is appropriate. Just make sure this does match what is physically on your device. Because what I will tell you is by choosing it, you will notice the frequency, the gain curve response do change as well. Now today I'm going to stick with what the software has recommended, which is an open based dome. And I am ready to kind of now move to my fit screen where more so what the magic happens, right?

The meat and potatoes of this fitting. Now when we first go to this fit screen, it's going to start us out on fine tuning. Now to kind of orient you with the options and what all we have here. First thing is I want you to look at these gain controls. Down here at the bottom we see 1, 2 and 3.

This is looking at that adaptation manager that I mentioned back on that personalization screen. Now today, right? We left it as my experience was none for my user. So it left us at this adaptation level one. Or we can also consider this 80% to target.

Now level two, right? This is adaptation level two. Now we would notice that our lines are starting to go up to our targets. This is going to be 90% to target. And then adaptation level three is going to go ahead

and continue them on up to meet target.

Okay, now today we're going to just drop this back down because that's what our personalization said. And I want to make sure it matches some other things I want you to know if you make any adjustments down here in our actual frequencies, each step is going to be one decibel steps just so you know how much you're technically changing them. And also if you ever need to look at your compression ratios and you want to see where they are Instead of your NPOs, this is how you can kind of toggle between those two views. Now we kind of continue on, right? Next thing kind of going down is going to be our feedback analyzer.

And I will tell you, unlike other manufacturers, our feedback management system is on Regardless or not, if you run this feedback analyzer test. Okay, if you like to run feedback analyzer on every patient, go right ahead. That's totally fine. But our software isn't going to require that you have to run it. And actually the software will tell you maybe when you should run it.

So if the software detects unstable gain that may lead to feedback kind of in more real world situations, what you may notice on this screen is, well, any screen really is you're going to see almost a little icon or picture show up up here and it's going to be side specific. You're going to notice it's two vertical black lines with a black arrow pointing down. And if we hovered over that little symbol, it's going to tell us, hey, there is a risk of unstable gain. If you see that little symbol, I would say one check to make sure you have the appropriate acoustic coupling. Right.

Make sure we didn't accidentally leave an open dome on there when we should have had a closed dome. And then also go ahead and run this analyzer for a little bit of additional feedback management protection. Okay. REM tools. Right.

So that's where you're going to go if you're going to be completing some sort of verification. For today's purposes, we're actually going to move on past. So we're going to go to this Open Sound Navigator. This is where more of the advanced processing is. And I will tell you when we kind of look in here, you don't really have any controls to adjust.

Now the reason I still wanted to show you this, this is where we can still see that Open Sound Navigator along with that DNN 1.0 by default is already running. We already have our noise suppression. Right. And everything with that advanced process is still running in here. So.

So you don't have to come in and turn anything on. Just realize by default it's already running for us. So kind of continuing to move on. Right. We're getting kind of towards the middle, if not end of our first fit Program manager.

Some nice things to kind of see in here and realize they're here. If you want to change your fitting rationale for whatever reason, you're going to do that inside this program manager right here underneath rationales, the Jet PX is actually going to default to NAL NL2 automatically. And that's where I want it, so I'm going to leave it there. You will also notice this is our opportunity to add programs. Imagine you had a patient that maybe told you they love going to the theater and Their local theater had a loop installed and so they love going there with their friends and they love watching these shows, these musicals, and then, you know, they just have a blast talking about it.

Well, this is my opportunity to add maybe a program for my patient, right? Or for you to add a program for your patient. Now, you heard them say they love going with their friends. So we know we don't only want the T coil to have access to that loop system. We want their environmental microphones on because they told you they love discussing the plays in theater and musicals with their friends too.

You can even go above kind of for them here and you could even tell them, hey, since we know you have a smartphone that is compatible and we've already downloaded that oticon companion app, I just made this simple for you. Even when you go in and you look at your program options now, you're going to see one that I specifically named theater for you. I want you to use that so you have access to the loop and you all can discuss the play as you see fit. So we kind of have our program set now. Everything's moving along, so we're going to kind of continue on here.

Another thing you may use in a first fit is this adaptation manager. The adaptation manager allows you to set the devices so that that gain is automatically increasing over time. This is very useful for maybe a patient that is slightly more sensitive. Right. Or they need to just gradually adjust to that target gain and so they're comfortable with it.

So you can actually adjust where you are going to be starting from as well as where you want them to end and the duration you want that to take to. So as far as the other item I would kind of like you to see on this fit screen would be this fitting assistant. Right. And this is not only good for first fits, this is great for follow ups as well. I just want you to be aware of it.

This is kind of almost like having a colleague there helping bounce ideas off of them. Right. You can select a topic and get very specific with the complaint and it's going to give you some options for adjustments even here that you can choose to use or not. Okay, now, so we are kind of done in our fit screen for a first fit. We are ready to start to wrap items up.

Right. So we move down to this last main menu here. I go back up to the top of the table of contents and I start working my way down. First thing we find in here is going to be our button controls. So if we want to adjust this in any way, Right.

Maybe our patient doesn't have programs, but they want volume control. Well, we already know this one. We set that theater program. Right. You said that that was really important to your patient.

But they want volume control on top of that. This is our opportunity to just say what those buttons do as well as even get information on how to use that button control. Below that is our audible indicators. Now, since this is a first fit, we want to make sure your patient is familiar with what those devices are trying to communicate to them through those audible tones. Beeps, jingles.

Right. This is our opportunity to actually play and demo those sounds for the patient. Also, it's our opportunity to adjust them. Right. Maybe they say, wow, that was a little bit soft.

I don't know if I would truly hear that. You. If you notice right here in the middle, we actually have these audible settings where we can adjust not only the intensity, but also the frequency of those settings kind of continuing forward. As I mentioned, the Jet PX does have two rechargeable devices in its product family. We have that Mini BTE R that actually has an embedded battery in it.

But we can still get battery health information from this screen here at dfinish. So if we see that the battery health is starting to go down, you can always send in that Mini BTER to have it serviced and sent back out. If you happen to be using the Jet PX Minirite R, same thing, we can have access to see that battery health. Those you would let us know and we can actually send you a battery to replace there in clinic. So very convenient.

Right? You even have a video here that would show you how to replace that battery as well as then reset those battery statistics moving forward accessories. So this is actually a kind of a cool screen because not only do we have the ability to obviously help our patients by giving them accessories, we have even additional adjustments that you can do to them. Now I will tell you, looking at all these, you will notice they all have kind of three different options and they will all handle the same now. So you

have an idea of what they are doing.

I'm going to need to show you an example with a TV adapter here, this very top one you'll notice says TV adapter loudness. And this is truly looking at the volume of your. Your audio coming from that TV streamer. If your patients need it to be louder, you would simply move it to the right. Now vice versa.

Right. If I moved it left, that is how it's going to become less. You can always see what your adjustment is doing by hovering over this little slide indicator and it will tell you so by moving it one step to the right, I increased it 3dB. Now, maybe that's not adequate, right? Maybe I feel like, ah, that's not going to be enough for this patient.

You can then always increase it more and Change it to 9. So on top of making that streamer louder, your patient maybe also mentions that they get distracted easily by environmental sounds during their TV viewing. Right. Well, look at the second option here. It actually says M relative to your TV adapter.

So imagine what this is looking at is where are your environmental microphones set in relation to this TV adapter? This is our opportunity to maybe give preference to the TV adapter stimulus. We could actually turn this down. And now what we are adjusting is actually the environmental microphones on those devices. This very bottom one, just so you kind of know what that is doing, this is going to be a high frequency adjustment, right?

So if, if maybe they say, boy, I've noticed every day I do great. But I tell you, when I listen to my TV adapter, it seems a little bit dull. Right. Can we, can we kind of give it a little bit more crisp? Let's make it a little bit brighter.

Well, let's give them a little bit more in those high frequencies. Right? Let's move it towards brighter. Again, we can see what it did. It increases our high frequency range by about 3 decibels.

So that's kind of how you would make the adjustments inside here with your accessories. Again, that is the same for phone. You know, the connect clip, if you're using that as a remote mic, but you can kind of adjust things in there. So that kind of brings us to our summary. Right.

So we've kind of went through a first fit there. Now some other things I will mention that's kind of really nice and handy to have is right up here. This is where you would save and exit your session if you're done. Now, to the left of that though, you may see this little printer and that's actually to generate a report. I want you to see this because there's two things we can kind of see in here.

One, we can print out a more customized, if you want to say manual or instructions for your patient right here, you can do it electronically or print it out with paper, but you can also, as the provider yourself, kind of keep an electronic record or printed record that you can put with that patient file as well. That way, if you maybe you're not able to access your session data at that point you can still kind of see how they are set up. So at this point you've kind of successfully went through a fitting on that software, so you were ready to save and exit and be done. At this point you have completed your first fit on the Jet PX. So thank you for listening to our Genie 2 fitting Focus Series Oticon Jet PX1 first fit.

I hope you now have the information you need to successfully Fit Oticon Jet PX1 devices for your patient. If you would like a more complete overview of our fitting software, please check out our one hour Genie 2 course on audiology online. Genie 2 Navigating Oticon's fitting Software thank you again for your professional time and have a great day.