## Patient Adjustment Guide

### Patient Report

**VOICE SOUNDS**
- In a barrel/tunnel
- Echoes
- Hollow
- Like they have a cold/ears plugged

**VOICE SOUNDS**
- Muffled

**VOICE SOUNDS**
- Distorted
- Crackles
- Unnatural/like a megaphone

**PATIENT HAS DIFFICULTY**
- Understanding speech in background noise

**PATIENT HEARS**
- Voices at a distance better than near

**PATIENT REPORTS**
- Low tolerance for noise
- Background noise too loud

**MUSIC SOUNDS**
- Unable to hear background music
- Background music is too dominant
- Unexpected fluctuations in background music
- Music too tinny in the Music Memory
- Music has too much bass in the Music Memory

### Inspire Adjustment

**DECREASE**
- Overall Gain using Occlusion Control
- Low Frequency Gain
- Moderate Gain at 1000Hz and/or 1500Hz
- Acoustic Options dialog box will update based on connected hearing aid

**INCREASE**
- Moderate Gain at 1000Hz and/or 1500Hz
- High Frequency Gain
- Overall Output
- Vent Diameter
- Shorten and/or Taper Canal

**DISABLE**
- Soft Gain
- Overall Output

**ENABE**
- Directionality
- Overall Gain
- Speech and Noise
- Frequency Gain

### Other Considerations

<table>
<thead>
<tr>
<th>Decision</th>
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<tbody>
<tr>
<td><strong>Set Speech and Noise</strong> to engage at a lower input level</td>
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<tr>
<td><strong>Consider SurfLink Mobile or SurfLink Remote set to iQ Boost for Wireless Devices</strong></td>
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### Product
- Synergy Products: Muse, SoundLens Synergy, Halo 2

### Considerations
- **Occlusion** may be due to the physical presence of the hearing aid and not as a result of amplification
- **To test**, turn off the hearing aid (open battery door) and have the patient
  - Report persists – issue is occlusion; address with acoustic modifications
  - Report resolved – issue is amplification; address with frequency adjustments
- **Enlarge Vent Diameter**
- **Shorten and/or Taper Canal**
- **Remake hearing aid with either deeper or shorter canal length; depending on current hearing aid**
- **Inspire-selected Acoustic Options must match options connected to hearing aid**

### Report Resolved
- Issue is **amplification**;
- Address with frequency adjustments

### Report Persists
- Issue is **occlusion**;
- Address with acoustic modifications

### Notes
- **Compression Ratios are increased** as the curves move closer together; **decreased as the curves move farther apart**
- **Verify Adaptive Directionality is activated**
- **If device does not have directional microphones, consider recommending a directional device**
- **Directionality Plus adjusts the level of activation of Speech and Noise to engage at a lower input level**
- **Consider SurfLink Mobile or SurfLink Remote set to iQ Boost for Wireless Devices**

### Additional
- **Verify Adaptive Directionality is activated**
- **If device does not have directional microphones, consider recommending directional device**
- **Directionality Plus adjusts the level of activation of Speech and Noise to engage at a lower input level**
- **Consider SurfLink Mobile or SurfLink Remote set to iQ Boost for Wireless Devices**

### Considerations
- **Consider creating a dedicated Music Memory for improved music sound quality**
- **Consider the Fine Tuning screen for musicians who require very discrete frequency specific adjustments of loud and soft music**
### Product: Synergy Products: Muse, SoundLens Synergy, Halo 2

#### OverAll Too Loud
- Voices too loud
- All sounds too loud
- Harsh/Too loud

#### Loudness
- Sounds are painful
- Clattering dishes too loud
- Running water
- Other environmental sounds too loud

#### OverAll Too Soft
- Voices too soft
- All sounds too soft
- Hearing aids too soft

#### Hearing Aids
- Whistle
- Chirp

#### Noisy
- Hearing aids are noisy
- Refrigerator hum too loud
- Hearing aids are noisy in quiet environments

#### Pumping
- Hearing aids cut in and out
- Hearing aids cut in and out when patient speaks
- Loud sounds fade in and out

#### Shutting Down
- Hearing aids shut down with loud sounds
- Hearing aids cut out when patient speaks
- Loud sounds fade in and out

#### Sounds Are
- Sharp
- Tinny

#### Sounds Are
- Hollow
- Muffled

#### Reports
- I hear better without my hearing aids
- Speech is unclear/unnatural
- Speech in quiet is not clear
- TV/Radio is not clear

### Inspire Adjustment
- Engage Experience Manager, selecting a lower level starting point
- Change Experience Level to provide less gain (3 to 2 or 2 to 1)
- Decrease Overall Gain
- Decrease Gain using Occlusion Control
- Decrease High Frequency Loud Gain
- Increase Overall Gain
- Increase Overall Output
- Engage MPO Boost
- Increase Overall Soft Gain
- Increase Overall Moderate Gain
- Increase Low Frequency Overall Gain
- Set Quiet for Less Activity via Environment Manager screen
- Initialize Whistlefree Feedback Cancellation with hearing aid seated in ear
- View Maximum Stable Gain to check for areas of possible feedback
- Use Auto Gain Adjust
- Decrease Overall Soft Gain
- Decrease Overall Moderate Gain
- Decrease Overall Loud Gain
- Decrease Overall Gain
- Increase gain between 2000 - 4000 Hz; then increase gain at 750 Hz
- Increase Low Frequency Gain
- Decrease Overall Output
- Engage Experience Manager, selecting a lower level starting point
- Change Experience Level to provide less gain (3 to 2 or 2 to 1)
- Increase Overall Output
- Increase Overall Soft Gain
- Increase Overall Loud Gain
- Engage MPO Boost
- Decrease Loud Gain at 500Hz and 750Hz
- Increase Moderate Gain at 1000Hz and/or 1500Hz
- Increase Moderate High Frequency Gain
- Acoustic Options dialog box will update based on connected hearing aid
- Increase Overall Gain at 1000Hz and/or 1500Hz
- Set Speech and Noise for Less Activity via Environment Manager screen
- Enable Television Memory via Memories Menu or Memories screen

### Other Considerations
- Patient may not be accustomed to amplification or may be accustomed to lower gain devices
- May need to start with lower gain settings than the prescriptive target recommends
- May need to consider different fitting formula
- Compression Ratios are increased as the curves move closer together; decreased as the curves move farther apart
- Patient may not perceive the aid as being loud enough depending on previous hearing aid experience
- Compression Ratios are increased as the curves move closer together; decreased as the curves move farther apart
- Utilize Speech Mapping to identify frequencies causing discomfort
- Whistlefree Feedback Cancellation needs to be re-initialized any time the acoustic characteristics of the hearing aid are changed (ex: shell modification, new earmold or earbud)
- Utilize Speech Mapping to identify feedback peak and decrease gain at peak
- Compression Ratios are increased as the curves move closer together; decreased as the curves move farther apart
- Adjust Time Constants if available, (slower) for appropriate classification on Environment Manager screen
- Patient’s auditory perception may be distorted due to long standing high-frequency hearing loss; counseling is key
- Consider Best Fit using a different fitting formula
- Utilize Speech Mapping or Verify Comfort to identify areas of sharpness
- Increase Vent Size and update Acoustic Options to match hearing aid
- Inspire-selected Acoustic Options must match options connected to hearing aid
- May need to counsel in fact that poor speech clarity may be due to poor speech discrimination
- Consider SurfLink Mobile set to Start/Stop Audio Stream and/or SurfLink Media 2 for Wireless Devices