"Emerging hearing loss solutions: How the newest ideas may change everything"
Peggy Nelson, Arizona Minne-College Feb 2017

1. **Hearing loss is an important and hidden issue** that affects individual lives and society in substantial ways.
   - Stigma, Cognition, Memory, Social connection, Depression, Isolation

2. **Hearing loss is difficult to treat** and requires significant investment on the part of the user.
   - Hearing aids have come a long way
   - Recent advances and plateaus in technology

3. **Many hearing loss effects are in the brain;**
   - They’re not going to ‘recover’ immediately
   - Hearing devices can’t be expected to work like glasses

4. **Similar hearing losses don’t yield similar results.**
   - Is the variability in the ear?  - In the brain?
   - Is it the background noise?  - Our personality traits?

5. **New devices are on the horizon.**
   - The FDA is still weighing in; it should be soon
     - The sticker shock will be better
     - The need for personal investment will be high
     - The role of audiologists will change but will be important. **Hearing health care is a partnership.**

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   - Stigma, Cognition, Memory, Social connection, Isolation, Depression
2. Hearing loss is difficult to treat and requires investment on the part of the user
   - Hearing aids have come a long way
   - Recent advances and plateaus: noise
Damage to the inner ear is complex.

This article detailed 10 different ways loud noise can damage hearing.

We are just beginning to understand the various pathways and potential cures.

(Henderson 2006)
3. Many hearing loss effects cause changes in the brain;
   - They’re not going to ‘recover’ immediately
   - Hearing devices can’t be expected to work like glasses
4. Similar hearing losses don’t yield similar results.
   - Is the variability in the ear?  - Is it in the brain?
   - Is it the background noise?  - Personality traits?

Among 30 users with similar loss
5. New devices (wearables) are on the horizon. The FDA is still weighing in; it should be soon
- The sticker shock will be better
- The need for personal investment and hard work will still be high
- The role of audiologists will change but will still be critically important

*Hearing health care is a partnership.*