Finding your voice: A comparison between voice banking and message banking

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Guess the voices

- 1   Dory (Ellen DeGeneres)

- 2   Mufasa (James Earl Jones)

- 3   Stephen Hawking

Our voice is our ACOUSTICAL fingerprint

John Costello, SLP

Boston Children's Hospital

Who might benefit?

- Respiratory disorders
- Motor Neuron Disease (MND)
- Parkinson's Disease
- Multiple Sclerosis
- Glossectomy
- Laryngectomy

- Cerebral Palsy
- Rett Syndrome
- Autism spectrum
- Dyspraxia
- Other

What is voice banking?

- a person records a set list of phrases with their own voice, which is converted to create a personal synthetic voice

- used with apps or a dedicated speech generating device

- can spell and create unique messages with the synthesised voice

- voice by proxy

Requirements

1. Voice banking service
2. Computer and microphone
3. Recording environment
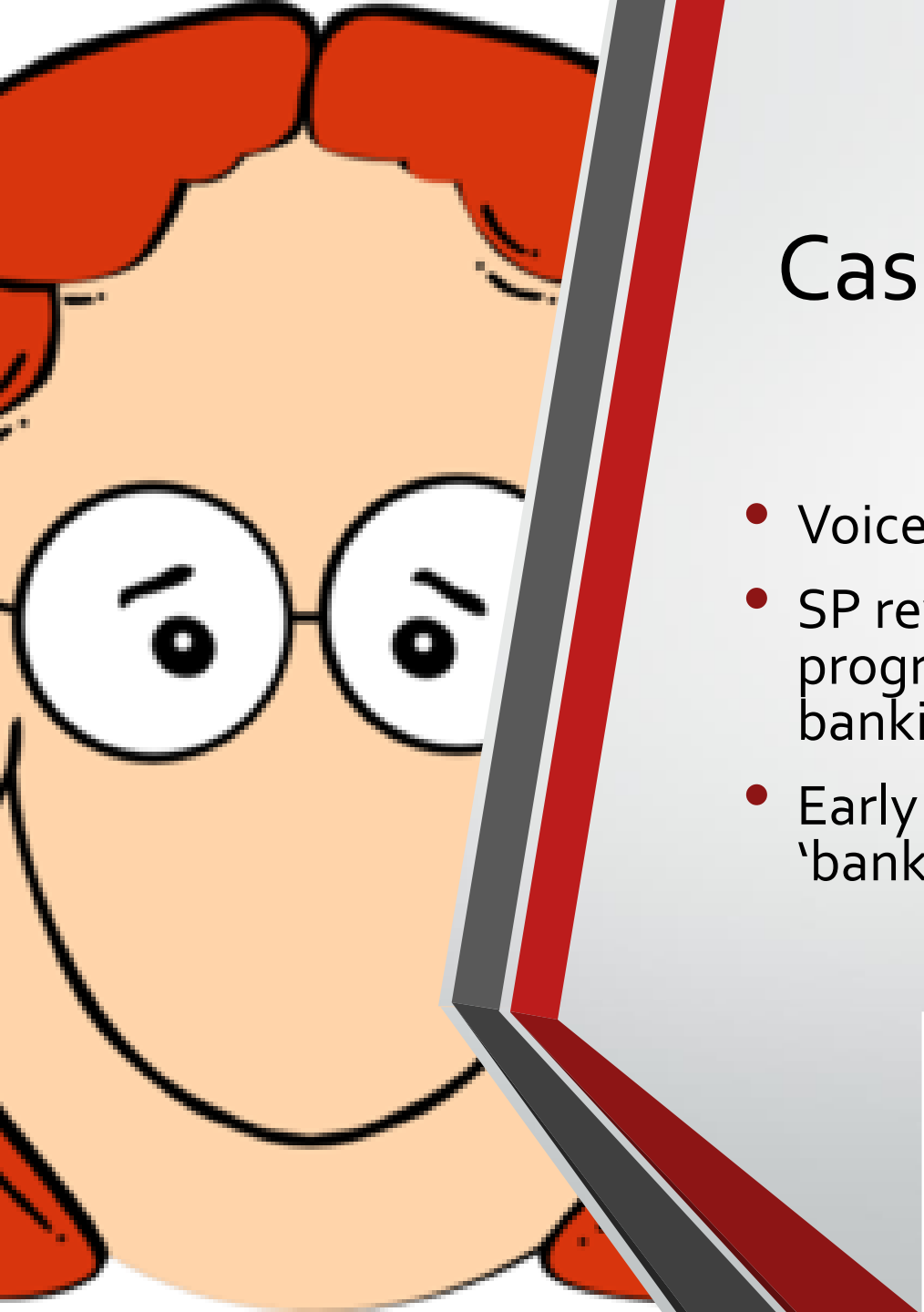4. Support
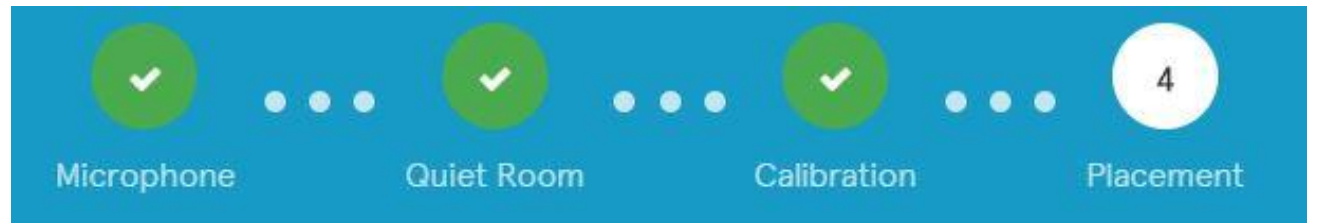
Options for Voice Banking

Case study - Bethlehem

- 68y.o woman with Bulbar onset MND

- Originally from Finland, arrived to Australia in 1958, lives at home with husband.

- Likes using computers/Ipad/social media to stay connected with family interstate and overseas

- August 2016 discussed AAC options for the future and option of Voice Banking

Case study - Bethlehem

- Voice banking started October 2016 with Modeltalker

- SP review session 9th November 2016. No significant speech, progressed through 900/1600 recordings required for voice banking. Decided on Predictable

- Early December 2016 completed Voice Banking and received 'banked voice' in a sent file
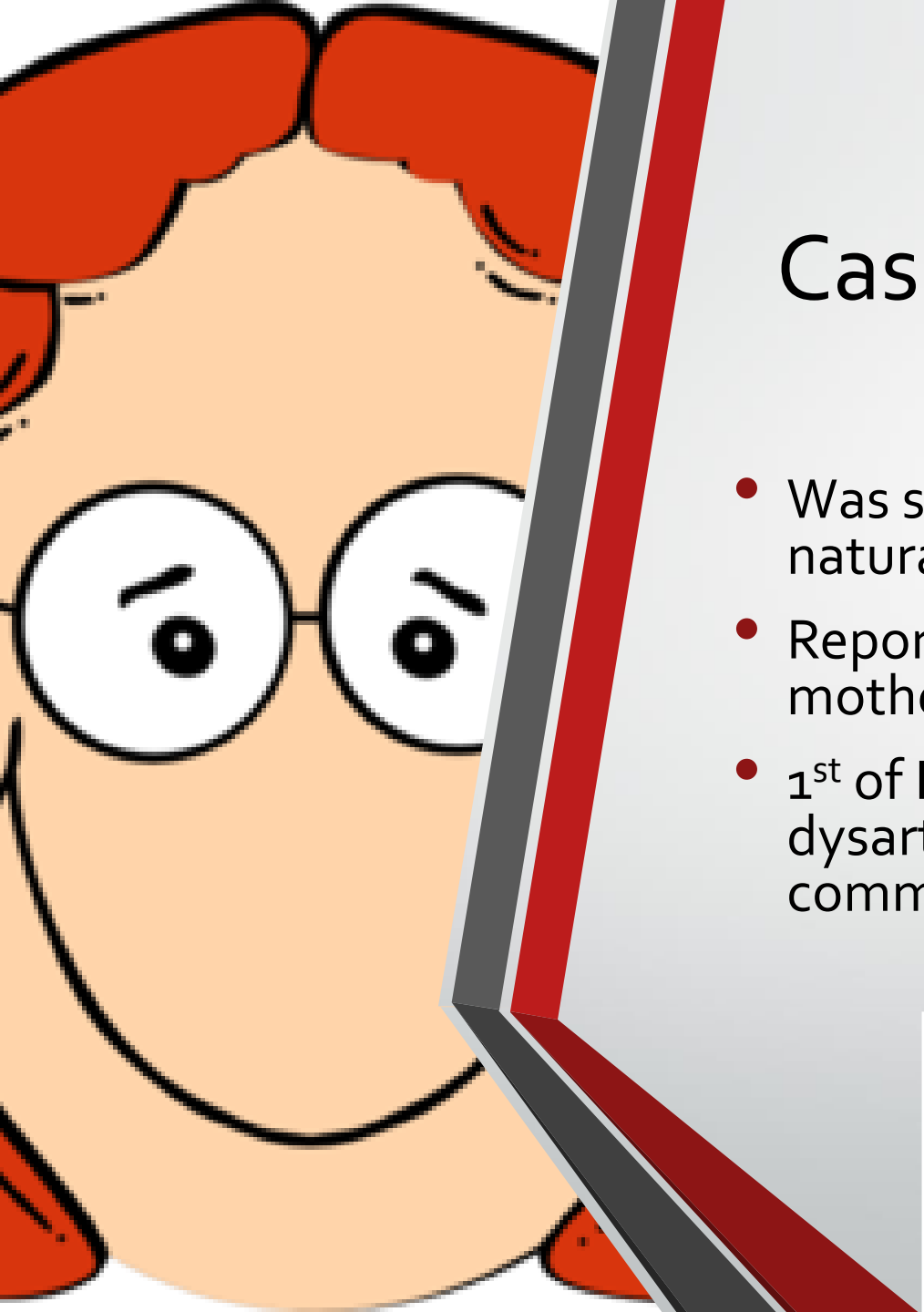
Case study - Bethlehem

- Was surprised how similar the banked voice sounded to natural voice

- Reported sense of relief, not in the same situation as her mother

- 1st of February 2017 3rd SP session, mild to moderate dysarthria, encouraged to use Predictable when tired or communication breakdown

What is message banking?

- digitally recording and storing words, phrases, sentences, personally meaningful sounds and/or stories using an individual's natural voice, inflection and intonation

- by individual or by proxy

- +++ messages think about organisation

- messages can be linked to communication apps or speech generating devices

- does not allow for creation of novel messages through spelling
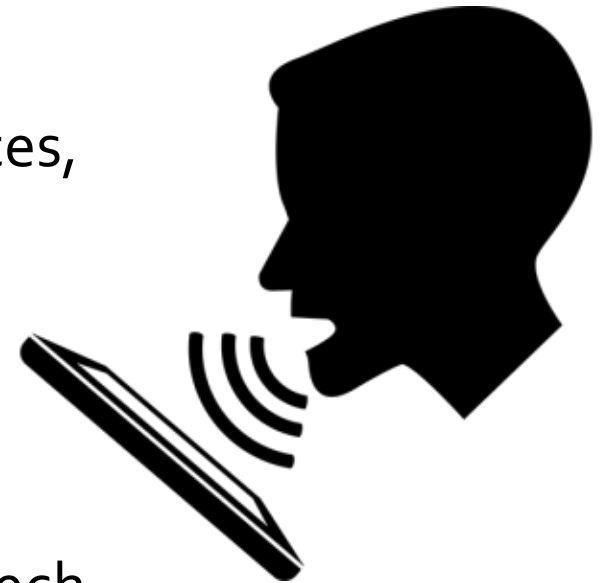
Options for Message Banking

- Static display battery operated devices (limited number)

- apps with recorded speech option eg. Message Banking, SoundingBoard, U can Talk

- Communication software eg. Grid 3, Communicator 5 on a speech generating device
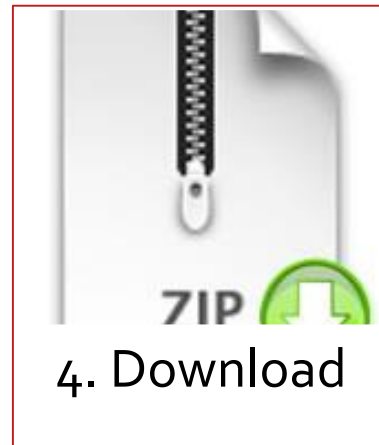
Requirements

- App or software (C5 must be 5.3 or higher)
- Computer
- Recorder
- Support

Process for C5

1. Record

2. Upload

3. Tag

4. Download

5. Import

Categories

Speech history	Food	Social - Greetings and Goodbyes	Travel		
Eating	Make an Appointment	Social - Questions	Weather		
Emergency Calls	Medical and Care	Social	About me		
Entertainment	Phone	Thoughts and Feelings			
Finances	Places	Time			

Edit
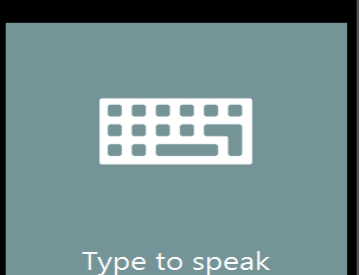
Type to speak

most of my family live in Perth

I have a cat called Squeaky

Edit

I am married to Mic

1-5 of 5

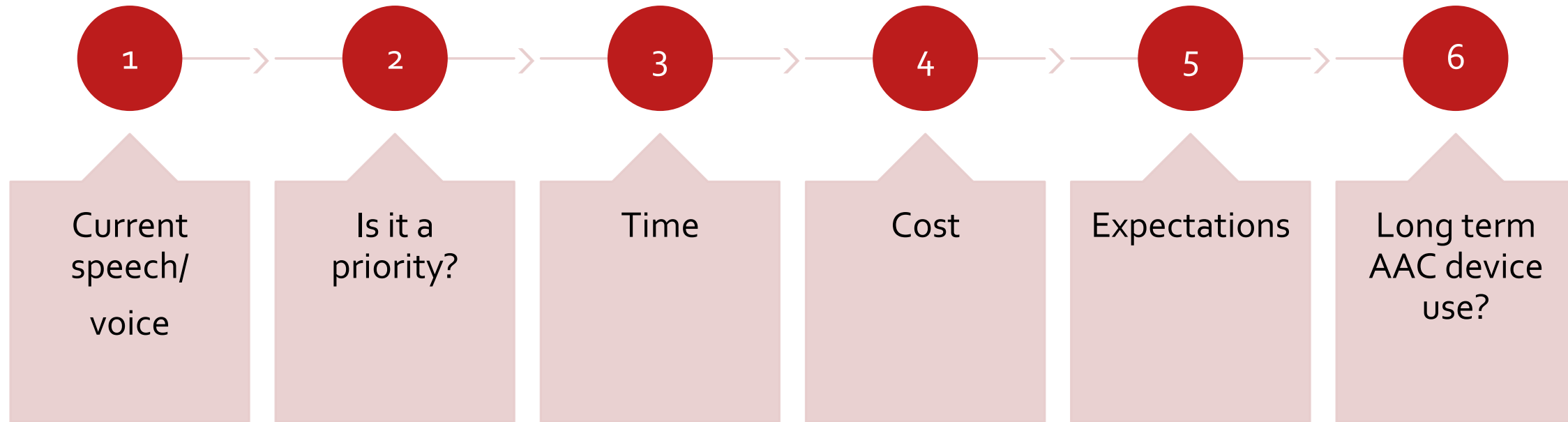I was born in Derby Western Australia

I am a chocoholic

Type to speak

Considerations

1	2	3	4	5	6
Current speech/ voice	Is it a priority?	Time	Cost	Expectations	Long term AAC device use?

Innovative options for AAC users

Voice match from donor

Let's get some Aussie voices! Oi Oi Oi!

https://vocalid.co/account

Resources

John M Costello - Message Banking, Voice Banking and Legacy Messages

- https://www.childrenshospital.org/~/media/centers-and-services/programs/a_e/augmentative-communication-program/messagebankdefinitionsandvocab201613.ashx?la=en

FAQ

- https://www.mytobiidynavox.com/Content/resources/pdf/message-bank-faq.pdf

Getting started (Communicator 5 Message Banking)

- https://www.mytobiidynavox.com/Content/resources/pdf/message-bank-getting-started.pdf

Webinars

- https://www.tobiidynavox.com/support-training/webinars

Voicebanking services

- https://www.modeltalker.org/   https://www.vocalid.co/
- https://www.cereproc.com/   http://www.acapela-group.com/voices/voice-replacement/

Questions?

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