



Music & The Brain



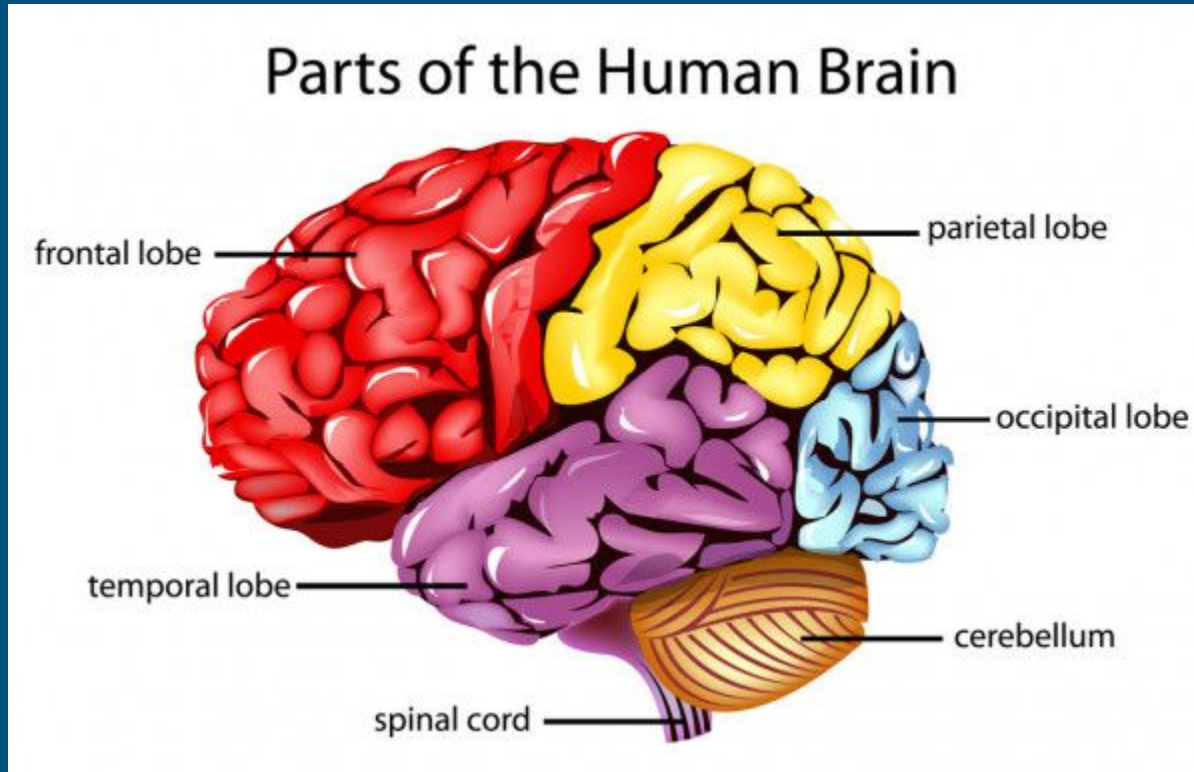
MSOL Connect Event
September 24, 2020
Steve Kurr



Music & The Brain

- Quick Introductions
- Basic Science of Music & the Brain
- Music in Therapeutic Uses
- For Further Exploration
- Q&A

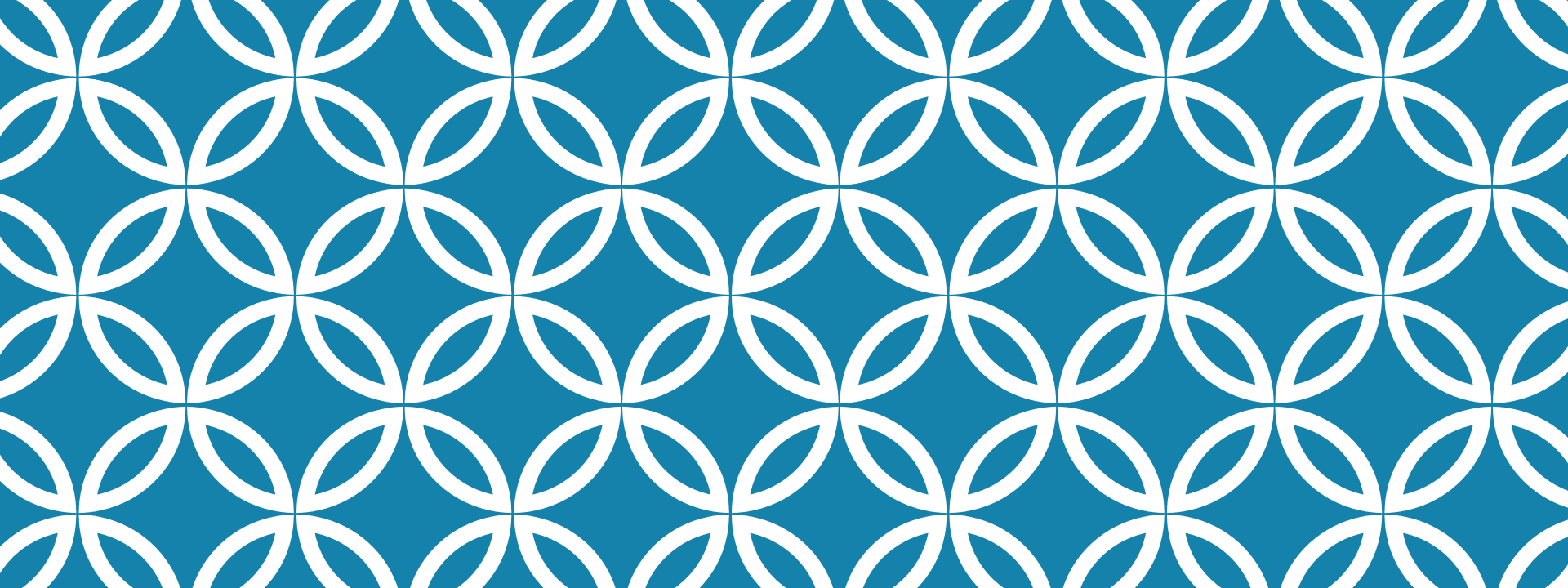
The Brain & Music: Basic Science



Music in Therapeutic Applications

- My friend Sister Susan (not her real name)
- Henry





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Middleton Music Therapy
Services, LLC

MUSIC THERAPY DOMAINS

- **Physical** – anxiety, pain management AEB rate of respiration/heart rate, increase strength, balance, range of motion, procedural support (IVs, extubation, etc.)
- **Speech/Language Communication** – increasing communication for persons after health event such as post-stroke/TBI, or for persons with developmental disabilities
- **Social/Emotional/Spiritual** – increase emotional response, provide musical outlet for self-expression, provide opportunities for connection with others, provide emotional support to family members
- **Cognitive Stimulation** – providing opportunities for reminiscing and connection with others, using overlearned songs and phrases to stimulate

- **Motor** – frequently used with individuals who are post-stroke or traumatic brain injury including gait-training or use of upper extremities
- **Cognitive** – frequently used with individuals who have dementia
- **Communication** – frequently used with individuals who are post-stroke, have had traumatic brain injury, or who are Autistic.

NEUROLOGIC MUSIC THERAPY

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RESOURCE LINKS

- Daniel Levitin
 - [Website](#)
 - [*This is Your Brain on Music*](#)
 - [*The World in Six Songs*](#)
 - [Chicago Ideas](#) & [IdeaCity](#)
- Jessica Grahn
 - [Webpage](#)
 - [TEDx: Music on the Brain](#)
- Daniel Glaser
 - [Website](#)
 - [Guardian podcast episode](#)

- [Library of Congress Podcasts](#)
- [Musicophilia](#)
- [Dementia/Parkinson's](#)

And I cannot fail to mention the work of [Prof. Charles T. Snowdon](#) from the UW-Madison Department of Psychology!

Q & A

- Please unmute if you have a question.
- If you feel more comfortable, type into the Chat.
- We will answer all of your questions!

If you have questions later:

- You can come back and see the slides again.
 - [Link in the chat](#)
- Also our emails if you have any follow up questions or comments
 - smkurr@gmail.com and ingrid@middletonmusictherapy.com

Yet to come

- October 22: Humor & Classical Music Part II
- November: The Development of the Modern Orchestra
- December: TBA
- January: TBA

Finally...

Please feel free to fill out our monthly feedback survey so we can work to improve our offerings for you.

[Link in the chat!](#)

Thank you!

These slides were created by Steve Kurr for the Madison Symphony Orchestra League Connect Events. Please direct comments and questions to smkurr@gmail.com.