

BMPF7008 - CHRYSA TSALTAMPASI 2029618

Can voice acting strategies be useful when teaching extreme vocal effects?

Introduction

- Background

“Extreme vocals will ruin your voice”

- Justification

No model for extreme vocal effects based on voice acting.

Developed schemes of extreme vocals exist

(Sadolin, 2021; Di Lorenzo et al, 2016; Melissa Cross, 2005;
Aaen et al, 2021; Tsai et al, 2021; Sakakibara et al, 2004)

- Aim

Whether this mixture can be beneficial

Collaboration with “The Monster Factory”



Methods

- Literature review
 - Human emotions and expressions
 - Fear and cry sound
 - Different functions
 - Similarities with apes
 - Extremes, what are they?



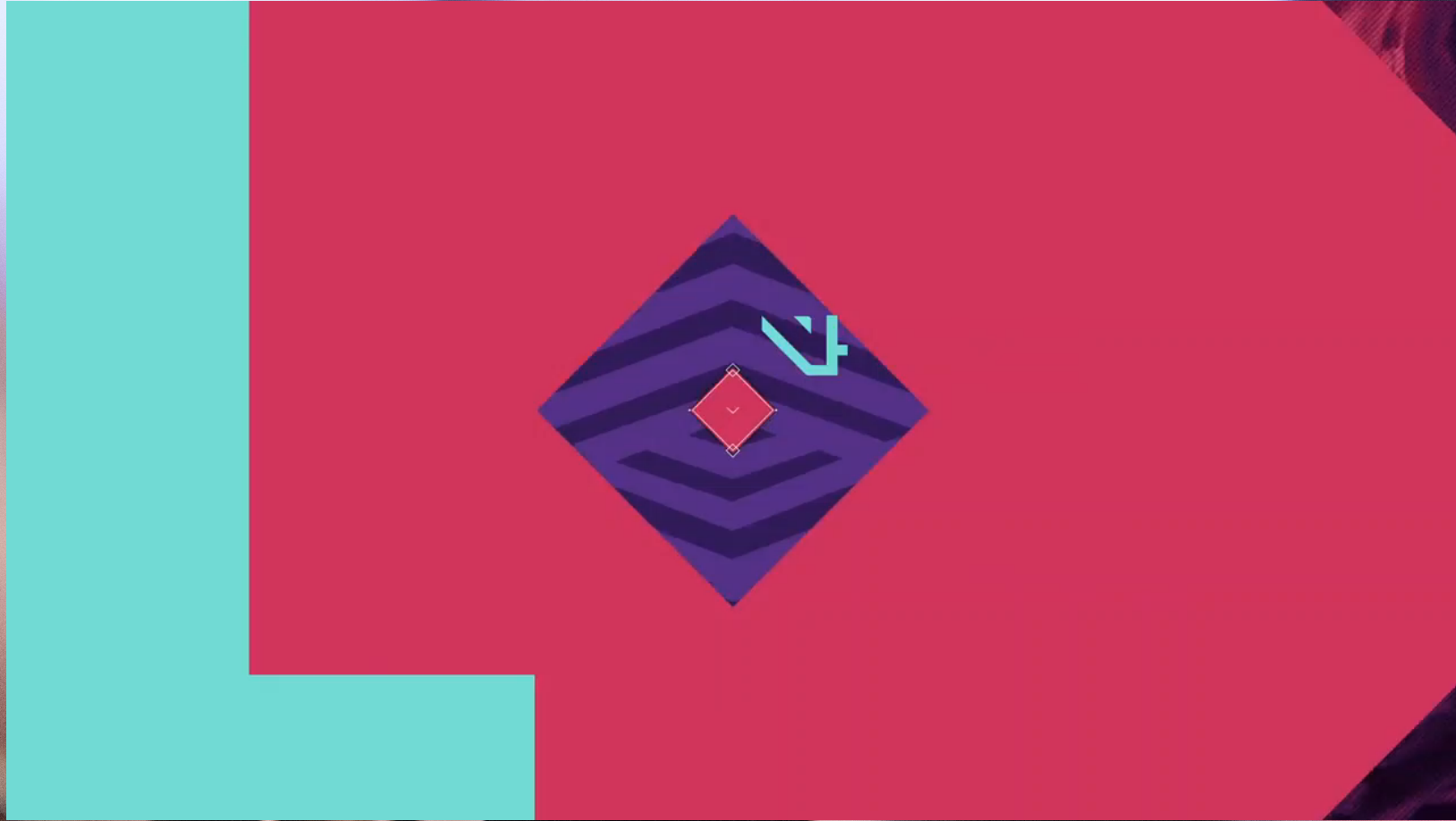
Methods

- Questionnaire
- Focus group
- Semi-structured interviews

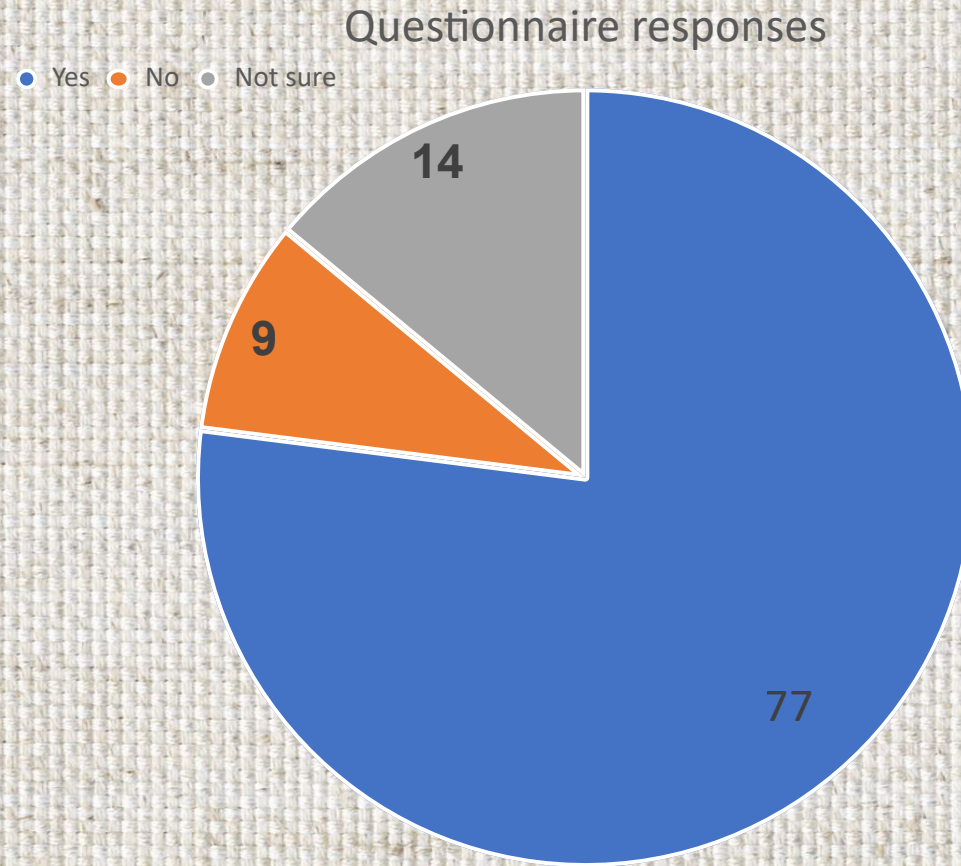
-Ethical consideration & Insider research impact-



The Monster Factory



Findings



Findings

Benefits of voice acting and classical techniques

Voice acting technique	Classical technique
Playful	Secure
Sense of freedom	Posture
Explorative	Control
	Establish vocal routine

Findings

Drawbacks of voice acting and classical techniques

Voice acting technique	Classical technique
Lacking anatomy knowledge	Overthinking
Posture	Too much constriction
More mimicking than singing	Limited sound

Findings

Questionnaires' additional points of interest

Teachers' perspective

- Being analytical about breathing/ posture/ anatomy
- Warming up
- Finding vocal compression
- Projection for fry scream & false cords
- Constrictions & voice type can be obstacles

Advices:

- Stay open-minded
- Patience
- Trial and error
- Short practice sessions
- Avoid Comparisons

Findings

Questionnaires' additional points of interest

Singers' perspective

- They all had experience with animal sounds etc.
- Passively influenced by video games
- Their top difficulty as beginners were lack of technique & lack of projection in low volumes

Both

There is a growing demand on extreme vocals due to video games and social media outburst

Strong point: Academic recognition of methods like Complete Vocal Technique

Findings

Advantages of metal vocalists and
voice actors in video game acting

Metal vocalists	Voice actors
Natural sound	Flexibility
Musicality	Gender free sound
Body awareness	Imagination
Improved voice use	

Findings

Disadvantages of metal vocalists and
voice actors in video game acting

Metal vocalists	Voice actors
Too much compression	Musicality
Rhythm	Lack of body awareness
	Limited knowledge of anatomy

Findings

Semi-structured interviews

- Common problems when teaching extremes are lack of proper technique and identification of the sound
- Favourite distorted sound
- Student difficulties
- “Family of vocal fries”

Conclusion & recommendations

- Refreshing process
- Ground to expand my research
- Initial question answered

Recommendation

Wider quantitative research in extreme vocals
and video game acting



Learning experience

Personal

Gained more knowledge on voice acting

Professional

- Valuable insight by colleagues
- New ideas that came out of playfulness



References

Aaen M, McGlashan J, Christoph N, Sadolin C (2021) *Extreme Vocal Effects Distortion, Growl, Grunt, Rattle, and Creaking as Measured by Electroglottography and Acoustics in 32 Healthy Professional Singers*

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Sakakibara K, Kimura M, Imagawa H, Niimi S, Fuks L, Tayama N (2004) *Growl Voice in Ethnic and Pop Styles*

Sadolin, C (2021) *Complete Vocal Technique*

Tsai C, Wang L, Wang S, Shau Y, Hsiao T (2010) *Aggressiveness of the Growl-Like Timbre: Acoustic Characteristics, Musical Implications, and Biomechanical Mechanisms*

WEBSITE REFERENCES

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The Monster Factory (www.lafabriquedemonstres.com)