



Project Description & Sites

The objective was to observe an elementary school-based OTR to receive live experience. Conducted a needs assessment for the other elementary school-based OTR's to provide insight on the visual deficits seen in the Fort Wayne Community Elementary Schools. Information gathered was used to produce an online Evidence-based Practice Visual Deficits: OT Treatment Resource to serve as a tool. The online resource provided evidence-based intervention strategies to help increase a child's academic performance. A feedback survey was distributed to the elementary OTR's to enhance the outcome of the online resource.

Sites: Fort Wayne Community Elementary Schools, Huntington University OTD Program, and New Haven Optical, LLC

Literature Review

- ❖ "Eighty percent of what a child learns comes through their eyes" (Santini, 2015, pp.2).
- ❖ Failure to identify a child's visual deficit may affect the child's a) development, b) learning performance, c) self-esteem, d) social-emotional behavior, and e) academic performance (Santini, 2015).
- ❖ Difficulties in visual-motor integration may lead to poor academic performance and functional tasks (Lim et al., 2014).
- ❖ The level of reading ability is predictive of a child's long-term academic achievement (Hamilton & Glascoe, 2006, as cited in Hairston, 2011).
- ❖ Stated in the Dodick (2016) study, multiple studies have reported successful outcomes from training eye movements for better-quality execution, just like any other motor task given to a student to perform.

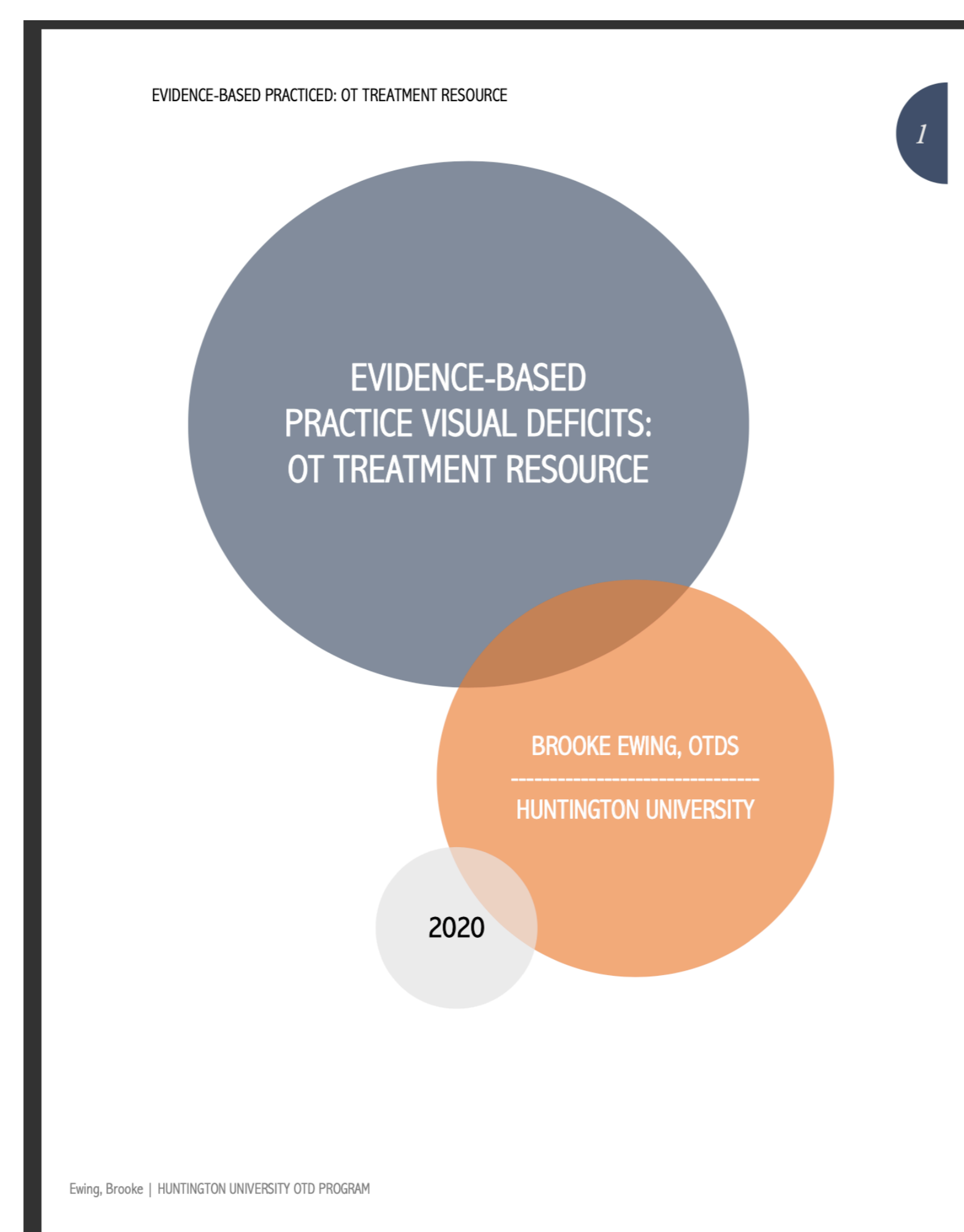
Mission & Vision Statements

Mission Statement

To promote engagement in academics and increase ocular motor skills for children with visual deficits.

Vision Statement

To empower children with visual deficits struggling with academics by creating interventions to promote engagement in reading, writing, learning, and increased ocular motor skills.



Project Completion

The doctoral capstone completed after 14 weeks of dedication. I have created an Evidence-based Practice Visual Deficits: OT Treatment Resource focusing on visual deficits and intervention to help strengthen children's visual skills in academics. It was accomplished by electronically distributing two written questionnaires, both for elementary school-based OTR's to use information acquired to prepare and finalize the Evidence-based Practice Visual Deficits: OT Treatment Resource. I compiled important information in my Evidence-based Practice Visual Deficits: OT Treatment Resource to prepare a 1.5-hour lecture with four case studies for an academic audience.



Deliverables

- ❖ Evidence-based Practice Visual Deficits: OT Treatment Resource
- ❖ Case Studies (minimum 4) for OTD 731
- ❖ Visual Deficits for Pre-K-3rd graders, PowerPoint
- ❖ FWCS Visual Deficits Survey for Elementary OT Practitioners & Peer-Reviewed Feedback of Evidence-based Practice Visual Deficits: OT Treatment Resource
- ❖ FWCS Visual Deficits Survey Data Chart Results

Future Implications for OT

Improves the following:

- ❖ Academic performance
- ❖ Ocular movements
- ❖ Quality of Life
- ❖ Independence
- ❖ Leisure participation
- ❖ Social participation



KEY REFERENCES

*Full reference list and image reference list available upon request