Annotated Bibliography

Ball, Laura J., et al. “Eye-gaze access to ACC technology for people with amyotrophic lateral sclerosis.” Journal of Medical Speech – Language Pathology, vol. 18, no. 3, 2010, p. 11 Academic OnFile, online.library.marist.edu/ps/i.do. September 2010. <http://go.galegroup.com.online.library.marist.edu/ps/i.do?p=AONE&u=nysl_se_marist> id=GALE|A237616707&v=2.1&it=r&sid=summon&authCount=1#

This source describes a study involving a group of individuals with amyotrophic lateral sclerosis training and using the eye-gaze response interface computer aid. ALS first destroys motor neurons throughout a person’s spinal cord and brain. Complete loss of muscle control happens in some cases. Muscles that control eye movements are usually not damaged. Because of the severity of ALS ACC technology is usually used to replace natural speech completely. The author of “Eye-gaze access to ACC technology for people with amyotrophic lateral sclerosis”, Laura Ball, states: “The four ways ACC technology can be used is with surface electrodes placed around the eye to provide data on relative eye movement within the head, with remote video imaging of a specific feature on the eye to measure eye movement, with contact lenses to track eye movements, and with shining an infrared beam into the eye to track visual line of gaze.”

Business Wire. “Potential in Sight: Tobii Gaze Viewer – Eye-Tracking Data for Easy ACC Assessment.” Business Wire. April 28, 2014. Pro Quest. <http://search.proquest.com.online.library.marist.edu/docview/1519280558?pq> origsite=summon&accountid=28549

This source describes Tobii’s eye tracking technology, Tobii Assistive Technology the ACC. Eye tracking devices can give us a better understanding of the user’s cognition, comprehension, and visual activity without performing any invasive procedures on the patients. Things the eye tracking devices can test include: comprehension testing, reading and literacy assessments, cognitive and processing delay assessments, reminiscence testing, low pressure testing environments for children, proving cognition in low-functioning adults, and validating the potential use of an eye-tracking ACC device for communication and computer access.

Professional Services Close-Up. “Tobii ATI Introduces New C15 AAC Eye Tracking Device.” Professional Services Close-Up. 25 January 2011. Business Insights Essentials. <http://bi.galegroup.com.online.library.marist.edu/essentials/article/GALE%7CA247372> 32?u=nysl\_se\_marist&sid=summon

Tobiis ATI eye tracking feature enables computers to determine where a person is exactly looking. People can use their eyes to type out words which will be turned into speech. This device can be used for individuals who have Cerabral Palsy, autism, ALS or incurred a brain injury.