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| Library concerned: Royal Papworth Hospital Library and Knowledge Service  Name of case study: Supporting a rapid review on the Utility of Ultrasound in the Assessment of Swallowing & Laryngeal Function  Date of interview: | | |
| **Interviewee** | Name: Jodi Allen  Job Title: Senior Speech and Language Therapist (Neurology & Neuromuscular).  Trust/Employing body: University College London Hospitals  Email:  Tel: | Name: Corinne Mossey-Gaston  Job Title: Speech and Language Therapy Team Lead  Trust: Royal Papworth Hospital  Email: corinne.gaston@nhs.net  Tel: 07775554386 |
| **Please note: you should only provide interviewee details here if consent**  **to share on the national blog has been obtained** | |
| **S****ummary of problem or reason for enquiry** | Corinne invited the LKS Manager to join a working group of UK-based Speech and Language Therapists. The group comprised of eight hospital-based SLT clinical experts who planned to conduct a rapid review in response to a professional requirement to understand the utility of ultrasound for swallowing and laryngeal assessment during the Covid-19 pandemic. The rationale for the work was secondary to restricted access and provision of routine SLT assessment during the pandemic due to the risk of increased aerosol generation and disease transmission; hence the need to explore tools with lower risk of disease transmission. The work was supported by the Royal College of Speech and Language Therapists. The LKS team were asked to support the search strategy for use in the review. | |
| **Brief description of the information found / service provided** | The LKS Manager conducted an initial scoping search on use of ultrasound in swallowing and laryngeal assessment which was sent to the working group for review. A follow up meeting was scheduled on MS Teams and after discussion the search strategy was refined adding in concepts related to laryngeal and vocal fold studies.  The search strategy was then conducted in the native interfaces of four databases and the results uploaded to Endnote and de-duplicated. As the number of papers retrieved exceeded the level considered feasible in the time available, a further virtual meeting took place and the decision was made to exclude papers that related to use of ultrasound in diagnosing cancer. The search was then repeated across the four databases and the results de-duplicated again. The LKS Manager uploaded the results into Rayyan for the group to commence screening.  Once the group had screened the abstracts, 38 full text papers were needed for assessment of eligibility for inclusion in the review. The LKS team located each article and uploaded them to a shared drive accessible to all the members of the working group.  After the working group had completed the screening and critical appraisal of the papers was underway, the LKS Manager was invited to write up the search strategy section of the paper. | |

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| **Summary of outcome and impact** | The rapid review is now completed and has been submitted to the International Journal of Language & Communication Disorders who have accepted review for publication. The findings of the review show that ultrasound “as a tool for comprehensive swallowing assessment is not currently indicated for use within SLT. However, it does have an emerging role as an assessment of specific structures related to swallowing, including vocal  fold mobility. This offers clinical potential as an adjunctive tool.”  The contribution of the LKS has a positive impact for the working group through time saved, knowledge shared and facilitating collaborative working. |
| **Immediate Impact**  **(including quotes)** | “The LKS Manager was able to be very flexible and adaptable.  She was an advisor and expert panel member on the rapid review allowing us to feel more confident in the methodological approach taken.”  “It is estimated that it would have taken twice as long for the team to do the searching. During the current climate, clinicians are pushed to frontline services. The LKS team were able to drive things forward at great speed with the searching so we could review the literature. We have already disseminated the findings in international forum.” Jodi  The project took around 20 hours of LKS team time. |
| **Probable future Impact**  **(including quotes)** | “The next phase of research is already underway. We are working on protocol development and reliability training for SLTs. This new work is focused on the recommendations from the rapid review. We are developing a normal database of ultrasound images in swallowing which will enable future comparisons in assessments.”  “The expertise of the LKS team was highly valued and they are now invited by the Royal College of Speech and Language Therapists to participate in a rapid review for the paediatric population.” Jodi  “I received several positive comments from the International Ultrasound Working Group about the support given by the Royal Papworth librarians. They have said that they would love to work with the librarians, because of the skills that they brought to the work.” Corinne |