Systematic review (SR) search using clinical Supplementary Figure 1. queries in PubMed and Cochrane database* Rapid strategy based on PubMed Randomized controlled NO trials (RCT) search using 1 or more SR? clinical queries in Pubmed* NO YES 1 or more valid# SR? 1 or more RCT? Selection of the most recently published valid systematic review and search for NO RCT published afterward using clinical YES queries in PubMed Use the information provided by the RCT Search for observational studies in included in the SR (if available) combined pubmed. Use the information provided with the information provided by RCT by the selected observational studies not included in the SR * Search includes the 20 first related articles for every SR or RCT identified # Validity of SR was evaluated using the following criteria as suggested by Murad et.al: Was the search for relevant studies exhaustive?

Murad MH, Montori VM, Ioannidis JP, et al. How to read a systematic review and meta-analysis and apply the results to patient care: users' guides to the medical literature. *JAMA* 2014:312:171–9

Did the review present results that are ready for clinical application?

Were selection and assessment of studies reproducible?