

Supplementary File 2: Inclusion and exclusion criteria

Criteria	
Inclusion	• Primary, peer-reviewed articles on basic sciences published in English. • No restrictions on the date of publication or geographical location. • Focus on postgraduate medical trainees. • Studies that presented interventions and outcomes on the retention and relevance of basic sciences.
Exclusion	• Studies from disciplines outside of medicine, such as nursing and allied health. • Studies that only considered participants' perceptions but did not administer any intervention to test the long-term retention or application of basic sciences in clinical reasoning.