

PICO

How is PICO used in a systematic review?

Search strategy of systematic review is formulated using PICO

1. tomography/
2. tomography, optical coherence/
3. ophthalmoscopy/
4. (optical\$ adj2 coherence\$).tw.
5. OCT.tw.
6. or/1-5
7. exp macular edema/
8. (macula\$ adj3 oedema).tw.
9. (macula\$ adj3 edema).tw.
10. maculopath\$.tw.
11. (CME or CSME or CMO or CSMO).tw.
12. (DMO or DME).tw.
13. or/7-12
14. exp diabetes mellitus/
15. diabetic retinopathy/
16. diabetes complications/
17. diabet\$.tw.
18. retinopath\$.tw.
19. or/14-18
20. 6 and 13 and 19

Research question, title, abstract of systematic review fit PICO framework

En face Integrated Central Avascular Zone (EFICAZ): a noninvasive tool for correlating morphological and functional damage in central diabetic macular edema.

As numerous factors account for diabetic maculopathy, retinal thickness alone is poorly correlated to visual function in diabetic macular edema. En face optical coherence tomography (OCT) enables assessing retinal changes at specific layers. By averaging several planes, overall changes can be better appreciated.

Approaches

- B - A baseline that uses only the original Boolean query
- P - Original Boolean query, restricting fields to PICO
- cP - 'Course grain selection' of PICO elements
 - Iterate through each combination of fields and select the best (P & I & O, P & I, etc.)
- fP - 'Fine grain selection'
 - Iterate through each keyword, replacing the PICO field with abstract if it caused a reduction in recall