

# Analyzing Barriers and Enablers for the Acceptance of Artificial Intelligence Innovations into Radiology Practice: A Scoping Review

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## Supplementary Material

**Table S1: Medline search strategy**

CAD	
1	exp diagnosis, computer-assisted/ or exp image interpretation, computer assisted/ or exp decision making, computer-assisted/
2	computer-aided diagnosis.mp.
3	exp Radiographic Image Interpretation, Computer-Assisted/
4	exp Diagnostic Imaging/
5	exp Radiology Information Systems/
6	"Attitude of Health Personnel"/
7	exp Attitude to Computers/
8	Radiologist.mp.
9	evaluation.mp.
10	(computer-aided detection and diagnosis systems).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
11	(quality assurance and training procedures).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
12	computer-hindered.mp.
13	(junior radiologist or senior radiologist).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
14	radiologist's experience.mp.
15	laboratory to the clinic.mp.
16	1 or 2 or 3 or 4 or 5
Artificial intelligence	
1	exp Radiographic Image Interpretation, Computer-Assisted/ and exp Radiology/ and exp Artificial Intelligence/

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2 exp Artificial Intelligence/ and exp Radiology/ and exp Decision Making/

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**Table S2: Embase search strategy**

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**CAD**

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|----|---|
| 1  | exp computer assisted diagnosis/  |
| 2  | computer aided diagnosis.mp.  |
| 3  | exp diagnostic imaging/   |
| 4  | radiology information systems.mp.   |
| 5  | exp health personnel attitude   |
| 6  | exp attitude to computers/  |
| 7  | exp radiology/ or exp radiologist/  |
| 8  | evaluation.mp. or exp evaluation study/   |
|    | (computer-aided detection and diagnosis systems).mp. [mp=title, abstract, heading |
| 9  | word, drug trade name, original title, device manufacturer, drug manufacturer,    |
|    | device trade name, keyword, floating subheading word]                             |
|    | (quality assurance and training procedures). mp. [mp=title, abstract, heading     |
| 10 | word, drug trade name, original title, device manufacturer, drug manufacturer,    |
|    | device trade name, keyword, floating subheading word]                             |
| 11 | computer-hindered.mp.   |
|    | (Junior radiologist or senior radiologist).mp. [mp=title, abstract, heading word, |
| 12 | drug trade name, original title, device manufacturer, drug manufacturer, device   |
|    | trade name, keyword, floating subheading word]                                    |
| 13 | radiologist's experience.mp.  |
| 14 | laboratory to the clinic.mp.  |
| 15 | 1 or 2 or 3 or 4  |
| 16 | Computer-aided diagnosis in radiology.mp.   |
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**Artificial intelligence**

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|---|--|
| 1 | exp Radiographic Image Interpretation, Computer-Assisted/ and exp Radiology/ |
|   | and exp Artificial Intelligence/   |
| 2 | exp Artificial Intelligence/ and exp Radiology/ and exp Decision Making/     |
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