

Clinical studies

Table 8: Studies excluded from the clinical review

Reference	
Alghamdi, 2021 ²	Incorrect study design - literature review
Baer, 2016 ³	Incorrect study design - case-control study
Bayat, 2018 ⁴	Systematic review but not enough details of included papers - papers checked
Bhadu, 2018 ⁶	Incorrect study design - case-control study, no relevant outcomes
Bongartz, 2015 ⁷	Incorrect study design - case-control study
Breuer, 2016 ⁸	No relevant outcomes
Bussieres, 2008 ⁹	Incorrect study design - guidelines
Cajamarca-Baron, 2021 ¹⁰	Incorrect population: systematic review of four diseases
Carotti, 2020 ¹¹	Incorrect study design - meta-analysis
Carter, 2009 ¹²	Incorrect study design- not a diagnostic accuracy study
Chen, 2017 ¹³	Systematic review – included papers that did not match the protocol, due to study design or reference standard
Choi, 2012 ⁴⁰	Incorrect study design - case-control
Choi, 2019 ¹⁴	Incorrect study design – evaluation of performance of classification criteria
Chou, 2017 ¹⁵	Incorrect study design – literature review
Chowalloor, 2013 ¹⁶	Incorrect study design - systematic review of studies with various study designs. Relevant papers checked.
Christiansen, 2018 ¹⁸	Incorrect study design - literature review
Dalbeth, 2009 ¹⁹	Incorrect study design – literature review
Dalbeth, 2016 ²⁰	Incorrect study design – evaluation of performance of classification criteria
Das, 2017 ²¹	Incorrect study design - case-control
Dehlin, 2019 ²²	Incorrect study design – evaluation of performance of classification criteria
Dehlin, 2015 ²³	Incorrect study design – evaluation of performance of classification criteria
Expert Panel, 2017 ²⁵	Incorrect study design - literature review of classification criteria
Filippucci, 2013 ²⁶	Incorrect study design – not a diagnostic study
Fodor, 2014 ²⁷	Incorrect study design - case-control
Gamala, 2020 ²⁸	Incorrect study design – evaluation of performance of classification criteria
Gamala, 2019 ²⁹	Incorrect study design - Systematic review and meta-analysis with various study designs
Gamez-Nava, 1998 ³⁰	Incorrect reference standard - Rheumatologist 's opinion
Graf, 2015 ³²	Incorrect study design - recommendations
Gruber, 2014 ³³	No relevant outcomes (diagnostic yield only)
Gutierrez, 2013 ³⁴	Incorrect reference standard - expert opinion
Hu, 2015 ³⁵	Incorrect reference standard - ACR 1977 criteria
Huppertz, 2014 ³⁶	Incorrect study design - case-control

Reference	
Janssens, 2017 ³⁷	Incorrect study design – evaluation of performance of classification criteria
Jatuworapruk, 2016 ³⁸	Incorrect study design – evaluation of performance of classification criteria
Jia, 2018 ³⁹	Incorrect study design - case-control
Kravchenko, 2021 ⁴¹	Incorrect population (not all suspected gout) and incorrect intervention (not looking diagnostic procedure)
Kupfer, 2018 ⁴²	Incorrect reference standard - grey scale CT
Lai, 2011 ⁴³	Incorrect reference standard (MSU plus clinical and laboratory findings)
Lee, 2019 ⁴⁵	Incorrect reference standard - not joint aspiration
Lee, 2017 ⁴⁶	Incorrect study design - meta-analysis of studies of incorrect study design and incorrect reference standards
Lee, 2018 ⁴⁷	Incorrect study design - meta-analysis of studies of incorrect design and incorrect reference standards
Liu, 2021 ⁴⁸	Incorrect reference standard (clinical signs and disease duration >5 years used to diagnose gout)
Loffler, 2018 ⁴⁹	Incorrect reference standard (2015 ACR/ EULAR classification- not all patients had joint aspiration)
Louthrenoo, 2017 ⁵¹	Incorrect study design – evaluation of performance of classification criteria
Malik, 2009 ⁵²	Incorrect study design – evaluation of performance of classification criteria
Naredo, 2014 ⁵³	Incorrect study design - case-control
Neogi, 2015 ⁵⁵	Incorrect study design – evaluation of performance of classification criteria
Newberry, 2015 ⁵⁶	Incorrect index test - systematic review of classification criteria
Newberry, 2017 ⁵⁶	Incorrect study design – systematic review which included studies of diagnostic or classification algorithms
Norkuviene, 2015 ⁵⁸	Incorrect study design - pooled results
Norkuviene, 2017 ⁵⁹	Incorrect study design - case-control
Notzel, 2018 ⁶⁰	Incorrect reference standard (combination of joint aspiration and DECT)
Ogdie, 2015 ⁶²	Incorrect study designs - systematic review of case-control as well as cross-sectional studies
Ottaviani, 2012 ⁶³	Incorrect study design - case-control
Panwar, 2018 ⁶⁴	Incorrect study design – literature review
Peiteado, 2012 ⁶⁶	No relevant outcomes
Perez-Ruiz, 2007 ⁶⁷	Incorrect study design – literature review
Qaseem, 2017 ⁶⁸	Incorrect study design - guideline
Ramon, 2018 ⁶⁹	Incorrect reference standard - systematic review with incorrect reference standard in some of the studies
Rettenbacher, 2008 ⁷⁰	Incorrect reference standard - included clinical and laboratory findings
Robin, 2021 ⁷¹	Incorrect comparator - association between variables and gout diagnosis
Schumacher, 2005 ⁷²	Incorrect study design – literature review
Scirocco, 2015 ⁷³	Incorrect study design – literature review

Reference	
Shang, 2020 ⁷⁴	Incorrect study design - meta-analysis of various study designs
Sivera, 2014 ⁷⁶	Systematic review - – included papers that did not match the protocol, due to study design or reference standard
Strobl, 2018 ⁷⁷	Incorrect reference standard - DECT
Taylor, 2016 ⁷⁸	Incorrect study design – evaluation of performance of classification criteria
Vasquez-Mellado, 2012 ⁷⁹	Incorrect study design – evaluation of performance of classification criteria
Wallace, 1989 ⁸⁰	Incorrect study design - correspondence
Westerfield, 2016 ⁸¹	Incorrect study design – evaluation of performance of classification criterion
Wright, 2007 ⁸²	Incorrect study design - case-control
Wu, 2014 ⁸³	Incorrect reference standard - ACR criteria
Xie, 2021 ⁸⁴	Incorrect study design - case-control
Xue, 2020 ⁸⁵	Incorrect study design - case-control
Yu, 2018 ⁸⁶	Incorrect study design - meta-analysis of various study designs
Zhang, 2020 ⁸⁷	No relevant outcomes - does not report specificity
Zhang, 2018 ⁸⁸	Incorrect study design - systematic review and meta-analysis of various study designs
Zhu, 2015 ⁸⁹	Incorrect reference standard - not joint aspiration
Zou, 2021 ⁹⁰	Incorrect reference standard - not joint aspiration