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Fuzzy decision support systems to diagnose musculoskeletal disorders: a systematic literature review

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Highlights:

This review aggregated the results of the studies that have used fuzzy logic to design a CDSS to diagnose MSDs and have tested the system's accur

Among all the designed CDSSs to diagnose MSDs only one (CADIAG-2) was implemented in the clinical environment.

In about half of the included studies, CDSSs were used to diagnose inflammatory/infectious disorder of the bone and joint.

The median accuracy of CDSSs to diagnose MSDs that used rule-based methods was 91% and it was 90% for other fuzzy methods.

To design of knowledge base for CDSSs to diagnose MSDs, rule-based methods are used more than other fuzzy methods.

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