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Temat: Automated Symptom-Disease Association Discovery from Clinical Notes

"Clinical notes are a rich source of valuable medical information, but their unstructured nature limits their utilization in research and clinical decision-making. Transforming this data into a structured format enhances information retrieval and enables the discovery of meaningful symptom-disease associations. This study proposes an automated knowledge extraction framework that leverages large language models (LLMs) to analyze unstructured clinical notes and construct a patient-centered knowledge graph. Extracted entities are linked to standardized medical ontologies, facilitating efficient querying and trend analysis. The system is evaluated on real-world clinical data, demonstrating its effectiveness in capturing clinically relevant symptom patterns."