Benefits of Artificial Intelligence in Healthcare – A systematic Literature Review

Nathalie Hoppe, Aalen University of Applied Sciences, Aalen, Germany,
nathalie_vanessa.hoppe@kmu-aalen.de

Author	Ranking	Indicator	Construct
Krämer et al. (2019)	A	Strategic planning	Management tasks
Akter et al. (2022)	B		
Turgeman et al. (2017)	B		
Doraiswamy et al. (2020)	A	Documentation tasks	Management tasks
Kocaballi et al. (2020)	A		
Fairley et al. (2019)	A	Use of human resources	Management tasks
Akter et al. (2022)	B		
Fairley et al. (2019)	A	Scheduling of surgeries	Management tasks
Akter et al. (2022)	B		
Onukwugha et al. (2016)	A	Prediction of costs	Management tasks
Thesmar et al. (2019)	A		
Kaplan and Haenlein (2020)	C	Prediction of health risks	Medical diagnostics
Garbuio and Lin (2019)	B		
Pee et al. (2019)	A+	Precise diagnoses	Medical diagnostics
Fan et al. (2020)	B		
Yuan et al. (2020)	A		
Garbuio and Lin (2019)	B	Speed of diagnoses	Medical diagnostics
Suri et al. (2020)	B		
Pee et al. (2019)	A+		
Thesmar et al. (2019)	A	Detection of rare diseases	Medical diagnostics
Bardhan et al. (2020)	A+	Self-management of diseases	Medical treatment
Shin et al. (2019)	B	Robotic surgery	Medical treatment
Kalis (2018)	C		
Bertsimas et al. (2020)	A	Personalized treatment strategy	Medical treatment
Paranjape et al. (2020)	A+		
Schinkel et al. (2019)	B	Improvement of patient outcomes	Medical treatment
Garbuio and Lin (2019)	B		
Bertsimas et al. (2020)	A		
Yuan et al. (2020)	A	Treatment costs	Medical treatment
Vemulapalli et al. (2016)	A		
Davenport and Ronanki (2018)	C	New drug targets	Drug discovery
Akter et al. (2022)	B		
Dezső and Ceccarelli (2020)	A		
Akay and Hess (2019)	A+	Reduced side effects	Drug discovery
Doraiswamy et al. (2020)	A		
Garbuio and Lin (2019)	B	Accelerate drug trials	Drug discovery
Dezső and Ceccarelli (2020)	A	Costs of drug discovery	Drug discovery
Author	**Ranking**	**Trust**	
Hengstler et al. (2016)	B	Importance of trust in AI	
Thiebes et al. (2021)	B		
Author	**Ranking**	**Indicator**	**Trust**
Thiebes et al. (2021)	B	Reliable decisions	Trust
Shareef et al. (2021)	B		
Obermeyer et al. (2019)	A+	Impartiality	Trust
DeCamp and Lindvall (2020)	A		
Esmaeilzadeh (2020)	B		
Thesmar et al. (2019)	A	Confidentiality	Trust

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