Table S1: Structured search strategy carried out in electronic databases

Search/Filters	Topic and terms
"English" Language	"artificial intelligence" OR "deep learning" OR "machine learning" OR "Supervised Machine Learning" OR "automated learning" OR "Unsupervised Machine Learning" OR "orthognathic surgeries" OR "maxillofacial surgeries"OR "plastic surgeries" OR "prediction" OR "diagnosis" OR "prognosis"
"English" Language	"artificial intelligence" AND "deep learning" AND "machine learning" AND "Supervised Machine Learning" AND "automated learning" AND "Unsupervised Machine Learning" AND "orthognathic surgeries" AND "maxillofacial surgeries" AND "plastic surgeries" AND "prediction" AND "diagnosis" AND "prognosis"

Table S2: Assessment of risk of bias domains and applicability concerns

Study	RISK OF BIAS				APPLICABILITY CONCERNS		
	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD	FLOW AND TIMING	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD
(Lu, C. H., et al., 2009)	☺	☺	☺	☺	☺	☺	☺
(Lin, H. H., et al., 2018)	☺	☺	☹	☺	☺	☺	☺
(Patcas, R., et al., 2019)	☺	☺	☺	☺	☺	☺	☺
(Choi, H. I., et al., 2019)	☺	☺	☹	☺	☺	☺	☺
(Knoops, P. G., et al., 2019)	☺	☺	☺	☺	☺	☺	☺
(Stehrer, R., et al., 2019)	☺	☺	☺	☺	☺	☺	☺
(Jeong, S. H., et al., 2020)	☺	☺	☺	☺	☺	☺	☺
(Lee, K. S., et al., 2020)	☺	☺	?	☺	☺	☺	☺
(Tanikawa, C.& Yamashiro T. 1)	☺	☺	☺	☺	☺	☺	☺
(Xiao, D., et al., 2021)	☺	☺	☺	☺	☺	☺	☺
(Xiao, D., et al., 2021)	☺	☺	☺	☺	☺	☺	☺
(Lin, G., et al., 2021)	☺	☺	☺	☺	☺	☺	☺
(Lin, H. H., et al., 2021)	☹	☺	☺	☺	☺	☺	☺
(Lo, L. J., 2021)	☺	☺	☺	☺	☺	☺	☺
(Ter Horst, R., et al., 2021)	☺	☺	☺	☺	☺	☺	☺
(Shin, W., et al., 2021)	☺	☺	☺	☺	☺	☺	☺

(Kim, Y. H., et al., 2021)	☺	☺	☺	☺	☺	☺	☺
(Dot, G., et al., 2021)	☺	☺	☺	☺	☺	☺	☺