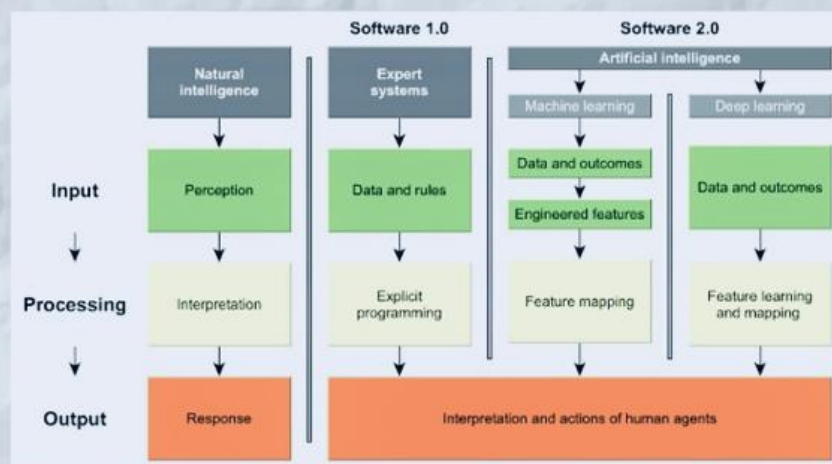
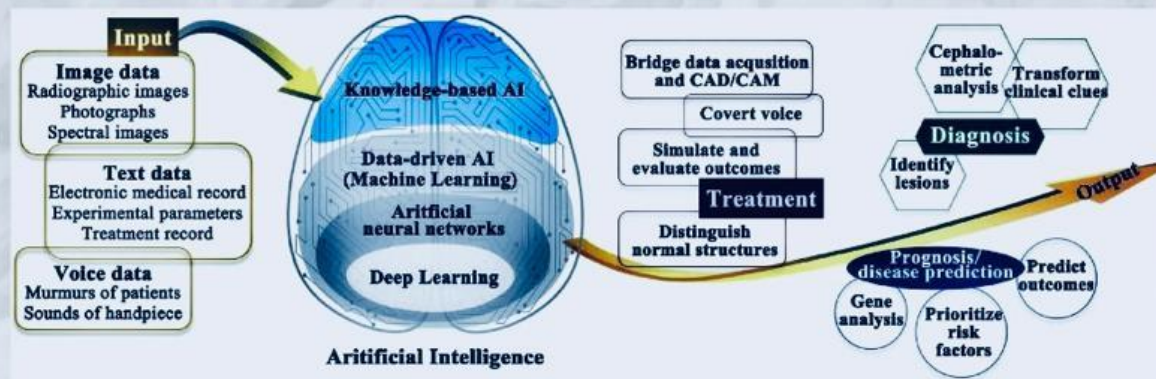


ARTIFICIAL INTELLIGENCE IN PERIODONTICS



Artificial intelligence is defined as “a field of science and engineering concerned with the computational comprehension which is commonly known as intelligent behavior, and with the creation of artifacts that show such behavior.”

Periodontal disease is a complex inflammatory disease contributed by multiple causal factors simultaneously and interactively. They are one of the most common oral diseases affecting the mankind.

Various studies have been done to ascertain AI technology application to diagnose and predict periodontal diseases.

Deep learning analysis using radiographs can help in diagnosing and treatment planning of periodontal diseases by the early detection of periodontal changes .This helps in early intervention in implantology. In addition to promoting our understanding of periodontitis, this technology serves as a bridge to incorporate conventional indicators and immunologic and microbiological parameters into periodontal diagnosis.

Artificial intelligence with its application of machine learning will change the face of dentistry in future.