

1. **Diagnostic Decision and Retrieval:** The framework included a classification stage for diagnostic decisions and a retrieval phase to retrieve relevant cases and their clinical observations from the previous database, aiding radiologists in validating the CAD decision.

Multilevel Similarity Measure (MLSM) Algorithm: They introduced an MLSM algorithm based on multiscale information fusion to retrieve relevant cases from a previous patients' database by computing a weighted structural similarity score of multilevel features.

Ensemble-SDCNN Model: The ensemble-SDCNN model processed CXR images in parallel to extract both low- and high-level features, enhancing overall classification performance.

2.3.4.5.6.