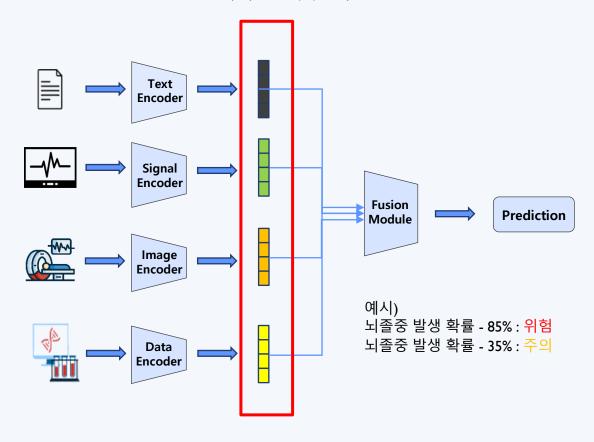


ECG, Text, Image 유형의 데이터를 공통 분석 가능한 <mark>벡터</mark> 형태로 변환



Text Clinical (EHR) Data Bio Text Signal (EHR) (ECG) Generative ΑI Bio Medical Signal (ECG) Image Clinical Medical Data Image

멀티모달리티 질병 예측 모델

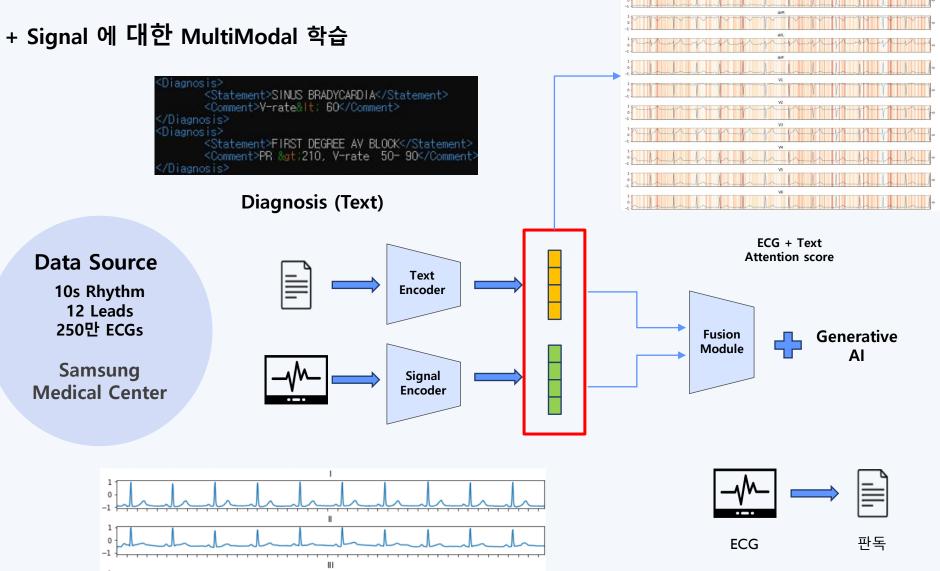
멀티모달리티 데이터 생성 모델

Public Data Use Case Wellýsis



Wellýsis

Text + Signal 에 대한 MultiModal 학습



ECG 자동 판독 생성 실제결과 예시

실제 기계 판독 VS 알고리즘에 의한 판독 생성 결과

sinus rhythm and st elev, probable normal early repol pattern and normal p axis, v - rate 60 - 99 and st elevation,

sinus rhythm and elev, probable normal early repol pattern and normal p axis, v - 60 - 99 and elevation,

Cosine similarity: 0.84

sinus rhythm and probable left atrial abnormality and lvh with secondary repolarization abnormality and probable inferior infarct, and prolonged qt interval and baseline wander in lead (s) v3 and normal p axis, v - rate 50 - 99 and p > 50ms, < - 0. 10mv v1 and r56l / risiii / s12r56 / s3rl & rep abn and q > 35ms, t neg, ii iii avf and qtc > 500ms

sinus rhythm probable atrial abnormality and lvh with secondary repolarization abnormality and probable inferior infarct, and qt interval and baseline wander in lead (s) v3 normal p axis, v - rate - 99 p > 50ms, < - 0 10mv v1 and / risiii / s12r56 / & rep and q > 35ms, t neg, ii iii avf and qtc > 500ms

Cosine similarity: 0.94