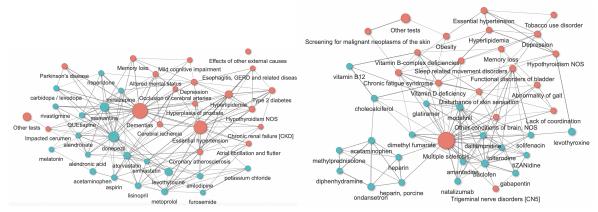
type	subtype	num	DIANE	Bert	BioBert	PubmedBert	SAPBert
similar pairs	RxNorm Hierachy	650	0.799	0.498	0.569	0.601	0.656
	PheCode Hierachy	510	0.937	0.638	0.584	0.605	0.830
	LOINC Hierachy	477	0.610	0.910	0.856	0.857	0.984
related pairs	Differential Diagnosis	1226	0.768	0.590	0.562	0.565	0.725
	May Treat	1133	0.747	0.653	0.616	0.656	0.761
	Classifies	751	0.850	0.545	0.509	0.545	0.730
	May Prevent	171	0.802	0.602	0.578	0.651	0.785

Table 1: AUC of detecting different types of know-relationship pairs.

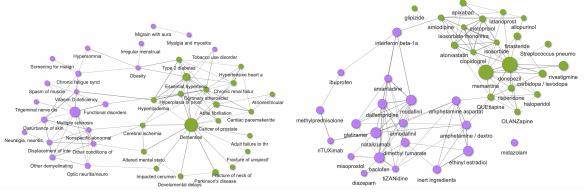
	DIANE	Bert	BioBert	PubmedBert	SAPBert
AUC	0.854	0.770	0.691	0.740	0.770
Brier score	0.049	0.069	0.073	0.072	0.067

Table 2: The risk prediction performance of decision trees.



(a) top features of patients with AD

(b) top feaetures of patients with MS



(c) phenotype features

(d) drug features