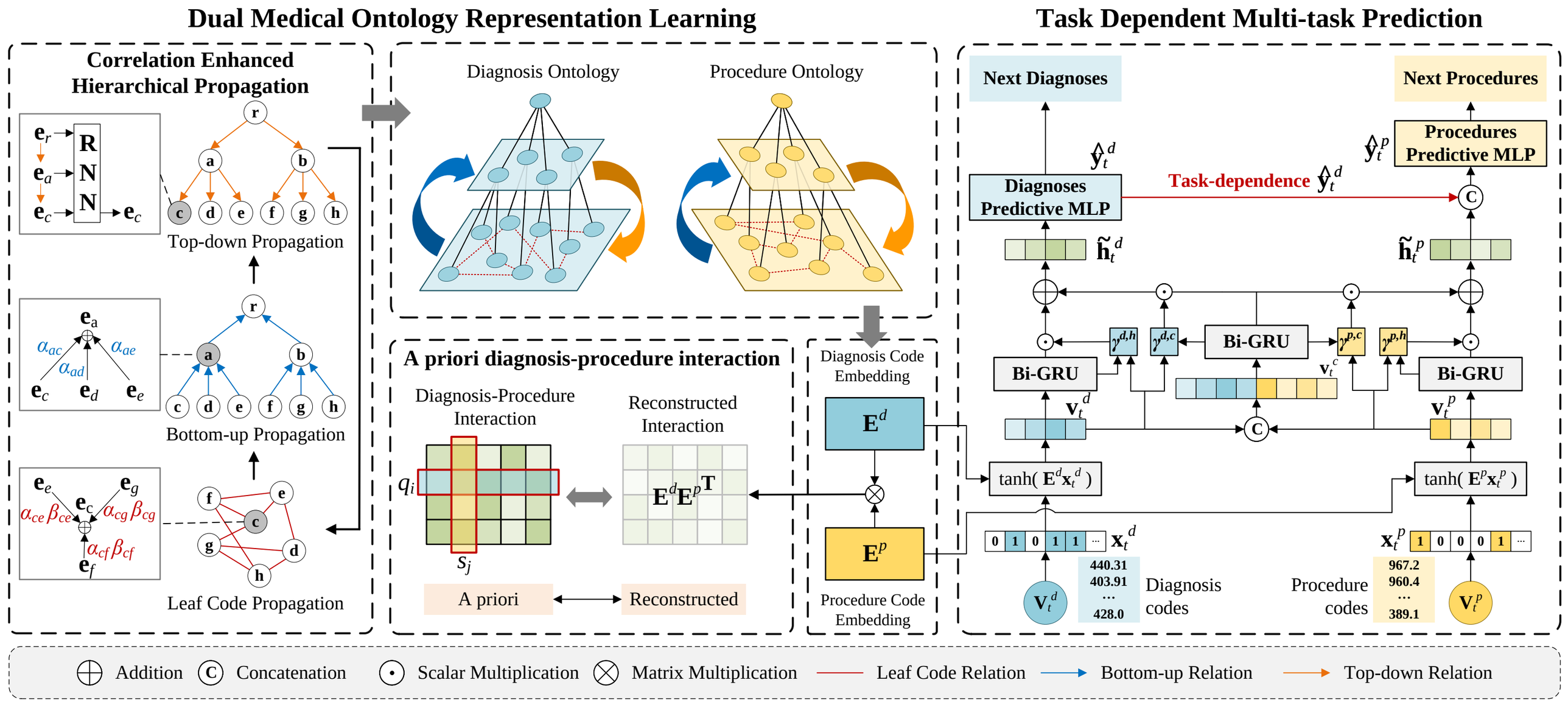
Dual Medical Ontology Representation Learning
Task Dependent Multi-task Prediction
Correlation Enhanced Hierarchical Propagation
Top-down Propagation
Bottom-up Propagation
Leaf Code Propagation
Diagnosis Ontology
Procedure Ontology
A priori diagnosis-procedure interaction
Diagnosis-Procedure Interaction
Reconstructed Interaction
A priori
Reconstructed
Diagnosis Code Embedding
Procedure Code Embedding
Next Diagnoses
Next Procedures
Diagnoses Predictive MLP
Procedures Predictive MLP
Task-dependence
Bi-GRU
Bi-GRU
Bi-GRU
Diagnosis codes
Procedure codes
Addition
Concatenation
Scalar Multiplication
Matrix Multiplication
Leaf Code Relation
Bottom-up Relation
Top-down Relation