

## ABSTRACT

This work is focused on the design and implementation of a graphical interface for query a graph data model.

The graphical interface is developed with the intend to provide medical users with a tool that allows them proposing queries through a set of graph transformation operations. The interface displays and schema graph. Based on graph transformations the scheme and the instance change allowing the users select parts of the data.

The interface is part of a functional prototype of an integration architecture based on mediation, presented in (1). The interface implements some of the operators proposed in (2). These operators are: subgraph extraction, path contraction, value filter and class filter. A query contains a succession of operators. The interface generates the query statement once the user decides to execute the transformations. The scope of this work does not include the display of query results.

It is intended that the graphical interface is usable and navigable for medical users. The development process of usability testing considers enabling end users who will use the interface is observed. Also consider a plan of product changes and variations that may occur in the testing process.

**Keywords:** Interface, Graph Data Model, Graph queries.