

Cypher Query 0.

```
MATCH p = (g:Disease)-[:MENTIONED_IN]-(a:Article)-[]-(n) WHERE g.name = 'Adrenomyodystrophy' RETURN p
```

Cypher Query 1.

```
MATCH p = (d:DATA)-[:PAYLOAD]->(g:S_GARD) WHERE d.is_rare = True RETURN DISTINCT d.gard_id AS GARD_ID, d.name AS GARD_Name
```

Cypher Query 2.

```
MATCH (o:S_ORDO_ORPHANET)-[:R_exactMatch|R_equivalentClass]-(m:S_MONDO)-[:R_exactMatch|R_equivalentClass]-(n:S_GARD)<-[:PAYLOAD]-(d:DATA) WHERE d.is_rare=true WITH o,n,m,d MATCH (o)-[e:R_exactMatch|R_closeMatch]-(k:S_OMIM)<-[:PAYLOAD]-(h:DATA) RETURN DISTINCT d.gard_id as GARD_ID, d.name as GARD_Name, e.name as Orphanet_Match_Type, h.notation as OMIM_ID, h.label as OMIM_Name ORDER BY GARD_ID
```

Cypher Query 3.

```
MATCH p = (a:Article)-[:HAS_OMIM_REF]-(o:OMIMRef) WHERE o.omimId = 'OMIM:200110' RETURN DISTINCT a.pubmed_id AS PubMed_ID, o.omimSections AS OMIM_Category
```

Cypher Query 4.

```
MATCH p = (a:Article) WHERE a.isEpi = 'Y' RETURN DISTINCT a.pubmed_id
```

Cypher Query 5.

```
MATCH p=(d:Disease)-[r:MENTIONED_IN]->(a:Article) WHERE (d.name) CONTAINS 'Ehlers-Danlos syndrome' RETURN d.gard_id AS GARD_ID, d.name AS GARD_Name, a.pubmed_id AS PubMed_ID, a.title AS Title, a.abstractText AS Abstract, a.firstPublicationDate AS Publication_Date, a.isEpi AS isEpiStudy
```

Cypher Query 6:

```
MATCH P = (d:Disease)-[:MENTIONED_IN]-(a:Article)-[:SUBSTANCE_ANNOTATED_BY_PUBMED]-(s:Substance) WHERE toLower (s.name) STARTS WITH 'dextrome' RETURN P
```

Cypher Query 7.

```
MATCH P = (d:Disease)-[:MENTIONED_IN]-(a:Article)-[:ANNOTATION_FOR]-(s:PubtatorAnnotation) WHERE toLower (s.text) STARTS WITH 'dextrome'
```

RETURN P

Cypher Query 8.

```
MATCH p = (d:Disease)-[:MENTIONED_IN]-(a:Article)-[:HAS_OMIM_REF]-(o:OMIMRef) where  
d.gard_id = 'GARD: 0006322' and any(x in o.omimSections where x = 'molecularGenetics') return  
p
```