**G10:** Find parents for a given concept

This query accepts a concept ID as the input and returns all concepts that are its immediate parents of that concept. Parents are concepts that have a hierarchical relationship to the given concepts. Hierarchical relationships are defined in the relationship table.  
The query returns only the immediate parent concepts that are directly linked to the input concept and not all ancestors.

**Sample query:**

SELECT A.concept\_id Parent\_concept\_id, A.concept\_name Parent\_concept\_name, A.concept\_code Parent\_concept\_code, A.concept\_class\_id Parent\_concept\_class\_id, A.vocabulary\_id Parent\_concept\_vocab\_ID, VA.vocabulary\_name Parent\_concept\_vocab\_name

FROM concept\_ancestor CA, concept A, concept D, vocabulary VA

WHERE CA.descendant\_concept\_id = 192671

AND CA.min\_levels\_of\_separation = 1

AND CA.ancestor\_concept\_id = A.concept\_id

AND A.vocabulary\_id = VA.vocabulary\_id

AND CA.descendant\_concept\_id = D.concept\_id

AND sysdate BETWEEN A.valid\_start\_date

AND A.valid\_end\_date;

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| Concept ID | 192671 | Yes | GI - Gastrointestinal hemorrhage |
| As of date | Sysdate | No | Valid record as of specific date. Current date – sysdate is a default |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Parent\_Concept\_ID | Concept ID of parent concept |
| Parent\_Concept\_Name | Name of parent concept |
| Parent\_Concept\_Code | Concept Code of parent concept |
| Parent\_Concept\_Class | Concept Class of parent concept |
| Parent\_Concept\_Vocab\_ID | Vocabulary parent concept is derived from as vocabulary code |
| Parent\_Concept\_Vocab\_Name | Name of the vocabulary the child concept is derived from |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| Parent\_Concept\_ID | 4000610 |
| Parent\_Concept\_Name | Disease of gastrointestinal tract |
| Parent\_Concept\_Code | 119292006 |
| Parent\_Concept\_Class | Clinical finding |
| Parent\_Concept\_Vocab\_ID | 1 |
| Parent\_Concept\_Vocab\_Name | SNOMED-CT |