**D21:** Find route of administration of a drug

This query accepts concept IDs for a drug product (clinical or branded drug or pack) and identifies the route of administration of the dose form. The following routes of administration are defined:

* Inhaled
* Intrathecal
* Nasal
* Ophthalmic
* Oral
* Unknown (cannot be defined from the dose form)
* Otic
* Parenteral
* Rectal
* Topical
* Urethral
* Vaginal

**Sample query:**

SELECT A.concept\_id drug\_concept\_id,

A.concept\_name drug\_concept\_name,

A.concept\_code drug\_concept\_code,

D.concept\_name dose\_form\_concept\_name,

R.Route\_of\_Administration

FROM concept\_relationship CR,

concept A,

concept D,

route R

WHERE CR.concept\_id\_1 = 40236916

AND CR.relationship\_ID = 'RxNorm has dose form'

AND CR.concept\_id\_1 = A.concept\_id

AND CR.concept\_id\_2 = D.concept\_id

AND D.concept\_id = R.concept\_id

AND sysdate BETWEEN CR.valid\_start\_date AND CR.valid\_end\_date

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| Drug Concept ID | 19060647 | Yes | Must be a level 1 Clinical or Branded Drug or Pack |
| As of date | Sysdate | No | Valid record as of specific date. Current date – sysdate is a default |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Drug\_Concept\_ID | Concept ID of drug entered with specified dose form |
| Drug\_Name | Name of drug with specified dose form |
| Drug\_Concept\_Code | Concept code of the dose form |
| Dose\_Form\_Concept\_name | Name of the dose form |
| Route\_Of\_Administration | Derived route of administration for the drug |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| Drug\_Concept\_ID | 19060647 |
| Drug\_Name | Budesonide 0.2 MG/ACTUAT Inhalant Powder |
| Drug\_Concept\_Code | 247047 |
| Dose\_Form\_Concept\_name | Inhalant Powder |
| Route\_Of\_Administration | Inhaled |