**Figure 1: PRISMA flow Diagram.**

**Identification of studies via databases and registers**

Records removed *before screening*:

Duplicate records removed (n= 1,659)

Records identified from

Databases (n= 1,899)

**Identification**

Records screened

(n= 240)

Records excluded

(n= 178)

Reports sought for retrieval

(n= 62)

Reports not retrieved

(n= 09)

**Screening**

Reports excluded:

1. Articles written in language other than English (n= 15)
2. Articles not explaining the association between Moyamoya disease and thyroid related diseases (n= 04)

Reports assessed for eligibility

(n= 51)

Studies included in review

(n= 31)

* Case reports= 20
* Reviews= 11

**Included**