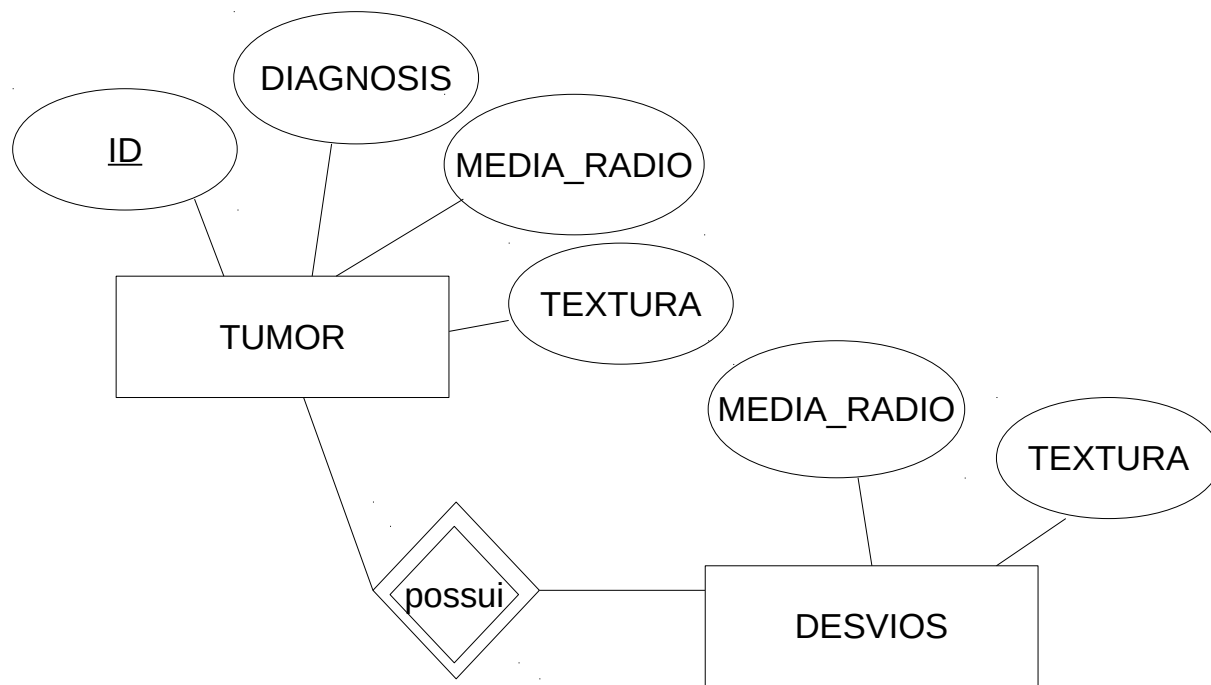


Uma melhor visão sobre o câncer (OPD)

**Investigação exploratória acerca do câncer de mama para
aumentar a assertividade da diferenciação entre tumor
maligno/benigno.**



MODELO ER:



Queries utilizadas

Queries SQL responsáveis por calcular suporte e confiança dos resultados.

```
CREATE VIEW TOTAL_TUMOR_TYPE AS
SELECT DIAGNOSIS TIPO, COUNT(*) TOTAL
FROM
TUMOR
GROUP BY DIAGNOSIS;
SELECT * FROM TOTAL_TUMOR_TYPE;
```

```
CREATE VIEW TOTAL_TUMOR AS
SELECT COUNT(*) TOTAL FROM
TUMOR;
SELECT * FROM TOTAL_TUMOR;
```

```
CREATE VIEW TOTAL_MALIGNO AS
SELECT COUNT(*) TOTAL FROM
TUMOR
WHERE TUMOR.DIAGNOSIS = 'M' AND
TUMOR.MEDIA_RAIO > 14;
```

```
CREATE VIEW TOTAL_MALIGNO_TEXTURE AS
SELECT COUNT(*) TOTAL FROM
TUMOR
WHERE TUMOR.DIAGNOSIS = 'M' AND
TUMOR.TEXTURA < 22;
```

```
CREATE VIEW CONCLUSAO_MALIGNO AS
SELECT CAST(F.TOTAL AS DOUBLE)/T.TOTAL
as SUPORTE, CAST(F.TOTAL AS
DOUBLE)/R.TOTAL as CONFIANCA
FROM TOTAL_MALIGNO F, TOTAL_TUMOR T,
TOTAL_TUMOR_TYPE R
WHERE R.TIPO = 'M';
```

```
CREATE VIEW CONCLUSAO_MALIGNO_T AS
SELECT CAST(F.TOTAL AS DOUBLE)/T.TOTAL as
SUPORTE, CAST(F.TOTAL AS DOUBLE)/R.TOTAL as
CONFIANCA
FROM TOTAL_MALIGNO_TEXTURE F, TOTAL_TUMOR
T, TOTAL_TUMOR_TYPE R
WHERE R.TIPO = 'M';
```

Resultados

RAIO > 14

index	Key	Value
0	SUPORTE	0.36906854130052724
1	CONFIANCA	0.9905660377358491

index	Key	Value
0	SUPORTE	0.5360281195079086
1	CONFIANCA	0.8543417366946778

TEXTURA < 22

index	Key	Value
0	SUPORTE	0.34797891036906853
1	CONFIANCA	0.9339622641509434

index	Key	Value
0	SUPORTE	0.6274165202108963
1	CONFIANCA	1