

SQL CARONTE MODULE 1

1

```
select pacient_id, pes
from pacient
where (sysdate - data_naixement)/365 >50
order by 1,2
```

2

```
select pacient_id, nodulid, tipus
from nodul
order by 1,2,3
```

3

```
select BR.pacient_id, to_char(BV.videodata, 'DD/MM/YYYY')
from biopsiresult BR, broncovidéo BV
where BR.video_arxiu = BV.videoarxiu
AND videodata > TO_DATE('01/02/2016', 'DD/MM/YYYY')
AND videodata < TO_DATE('30/03/2016', 'DD/MM/YYYY')
order by 1,2
```

4

```
select n.pacient_id, n.nodulid, n.diagnostic
from biopsiresult br, broncovidéo bv, nodul n
where n.nodulid = br.nodulid
and n.pacient_id = br.pacient_id
and br.video_arxiu = bv.videoarxiu
and to_char(bv.videodata, 'MMYY') = 0216
order by 1,2,3
```

5.

```
select n.pacient_id, n.nodulid, n.locseg
from nodul n, biopsiresult br
where n.nodulid = br.nodulid
and n.pacient_id = br.pacient_id
and n.diagnostic is not NULL
and br.visibleescopia = 'NO'
order by 1,2,3
```

6.

```
select count(p.tabac)
from pacient p
where p.tabac = 'SI'
order by 1
```

7.

```
SELECT MAX(DistanciaCarinaReal)
FROM BiopsiResult br, nodul n
WHERE n.Pacient_ID = br.Pacient_ID AND n.nodulID = br.nodulID
AND n.diagnostic IS NOT NULL
```

8.

```
select count(p.pacient_id)
from pacient p
where ((sysdate-data_naixement)/365 > 60)
order by 1
```

9.

```
select min(p.pes)
from pacient p
where p.tabac = 'EX'
order by 1
```

10

```
select avg(ct.diam_menor * ct.diam_major)
from ctnodul ct, pacient p
where ct.pacient_id = p.pacient_id
and p.tabac = 'SI'
order by 1
```

11

```
select p.tabac, avg(p.pes)
from pacient p
group by p.tabac
order by 1
```

12

```
select br.visibleescopia, count(br.nodulid)
from biopsiresult br, nodul n
where n.nodulid = br.nodulid
and n.pacient_id = br.pacient_id
and n.diagnostic is null
group by br.visibleescopia
order by 1,2
```

13

```
SELECT TO_CHAR(bv.VideoData,'MM'), COUNT(*)
FROM biopsiresult br, broncovidéo bv
WHERE br.video_arxiu= bv.videoarxiu
GROUP BY TO_CHAR(bv.VideoData,'MM')
ORDER BY TO_CHAR(bv.VideoData,'MM')
```

14

```
select n.locseg, min(br.distanciacarinareal)
from nodul n, biopsiresult br
where n.pacient_id = br.pacient_id
and n.nodulid = br.nodulid
group by n.locseg
order by 1,2
```

15

```
SELECT ctn.pacient_id, count(unique(ctn.ct_id))
FROM ctnodul ctn
GROUP BY ctn.pacient_ID
order by 1,2
```

16

```
select n.locseg
from nodul n
group by n.locseg
having count(nodulid)>2
order by 1
```

17

```
select br.pacient_id
from biopsiresult br
group by br.pacient_id
having count(video_arxiu) = 1
order by 1
```

18

```
select n.pacient_id
from nodul n
group by n.pacient_id
having count(nodulid)>1
order by 1
```

19

```
select p.tabac, count(br.video_arxiu)
from pacient p, biopsiresult br, nodul n
where p.pacient_id = br.pacient_id
and p.pacient_id = n.pacient_id
and n.diagnostic is not null
group by p.tabac
having count(n.diagnostic)>2
order by 1,2
```

20

```
SELECT FLOOR((sysdate-p.data_naixement) / 365) , COUNT(p.pacient_id)
FROM pacient p
GROUP BY FLOOR((sysdate-p.data_naixement) / 365)
HAVING COUNT(*) > 2
order by 1,2
```

SQL CARONTE MODULE 2

1

```
select ctn.pacient_id
from ctnodul ctn
minus
select bp.pacient_id
from biopsiresult bp
order by 1
```

2

```
select bv.videoarxiu
from broncvideo bv
minus
select br.video_arxiu
from biopsiresult br
order by 1
```

3

```
select ctn.nodulid
from ctnodul ctn
minus
select bp.nodulid
from biopsiresult bp
order by 1
```

4

```
select tipus AS most_frequent_nodule_type
from nodul
group by tipus
order by count(*) desc
fetch first 1 rows only
```

5

```
SELECT n.locseg
FROM nodul n, biopsiplan bp
where n.pacient_id = bp.pacient_id and n.nodulid = bp.nodulid
and n.diagnostic is not null
ORDER BY bp.distanciacarina ASC
fetch first 1 rows only
```

6

```
SELECT n.locseg, n.diagnostic
FROM nodul n, ctnodul ctn
where n.pacient_id = ctn.pacient_id
ORDER BY ctn.diam_major DESC
fetch first 1 rows only
```

7

```
select n.pacient_id, p.sexo, p.pes
from nodul n, pacient p
where p.pacient_id = n.pacient_id
group by n.pacient_id, p.sexo, p.pes
having count(distinct n.tipus) = (select max(count(distinct n.tipus)) from nodul n, pacient p
where p.pacient_id = n.pacient_id group by n.pacient_id)
order by 1,2,3
```

8

```
select (B.interventions/A.total)*100
from (Select count(*) as total from nodul n, biopsiplan bp where bp.navegador = 'CVC' and
n.pacient_id = bp.pacient_id and n.nodulid = bp.nodulid)A, (select count(*) as interventions
from biopsiplan bp, nodul n where n.diagnostic is not null and bp.navegador = 'CVC' and
n.pacient_id = bp.pacient_id and n.nodulid = bp.nodulid)B
order by 1
```

9

```
select (t1.quantity_m/t2.total)*100
from (select count(*) as quantity_m from pacient where sexo = 'HOME') T1,
      (select count(*) as total from pacient) t2
order by 1
```

10

```
SELECT A.sexo, (B.el / A.la) * 100 AS percentage
FROM (
    SELECT p.sexo, COUNT(bo.IOT) AS la
    FROM pacient p
    JOIN nodul n ON p.pacient_id = n.pacient_id
    JOIN ctnodul ct ON n.nodulID = ct.nodulID AND n.pacient_id = ct.pacient_id
    JOIN biopsiplan bp ON ct.pacient_id = bp.pacient_id AND ct.nodulID = bp.nodulID
    AND ct.ct_id = bp.ct_id
    JOIN biopsiresult br ON bp.nodulID = br.nodulID AND bp.cami_id = br.cami_id AND
    bp.ct_id = br.ct_id AND bp.pacient_id = br.pacient_id
    JOIN ctestudi c ON ct.ct_id = c.ct_id
    JOIN broncovidio bo ON bo.videoarxiu = br.video_arxiu
    WHERE bo.IOT = 'IOT'
    GROUP BY p.sexo
) A
JOIN (
```

```

SELECT p.sexo, COUNT(bo.IOT) AS el
FROM pacient p
JOIN nodul n ON p.pacient_id = n.pacient_id
JOIN ctnodul ct ON n.nodulID = ct.nodulID AND n.pacient_id = ct.pacient_id
JOIN biopsiplan bp ON ct.pacient_id = bp.pacient_id AND ct.nodulID = bp.nodulID
AND ct.ct_id = bp.ct_id
JOIN biopsiresult br ON bp.nodulID = br.nodulID AND bp.cami_id = br.cami_id AND
bp.ct_id = br.ct_id AND bp.pacient_id = br.pacient_id
JOIN ctestudi c ON ct.ct_id = c.ct_id
JOIN broncovidéo bo ON bo.videoarxiu = br.video_arxiu
GROUP BY p.sexo
) B ON A.sexo = B.sexo
order by 1

```