

The laboratory



Hospitals or collection centers



2 doctors



1 executive technician + 3 technicians

intern

Samples collections



► Antenatal tests

Amniocentesis

Placental biopsy



Echographic Presenting symptoms



Centre échographique de Carnes



Centre échographique de Carnes

Samples collections



► Postnatal tests

Blood tests (lymphocyte)



Sterility presums

Hereditary chromosomic troubles

Sexual characteritics troubles



Samples collections



► Intrauterine death

Umbilical cord biopsy



The point

1 prelevement on 1 patient



1 cell culture



1 slide under the microscope



1 karyotype

Cell culture

Amniotic Liquid



lymphocyte



Cell culture and technics

Amniotic Liquid



COLCHICINE

lymphocyte



Cell culture and technics

Amniotic Liquid



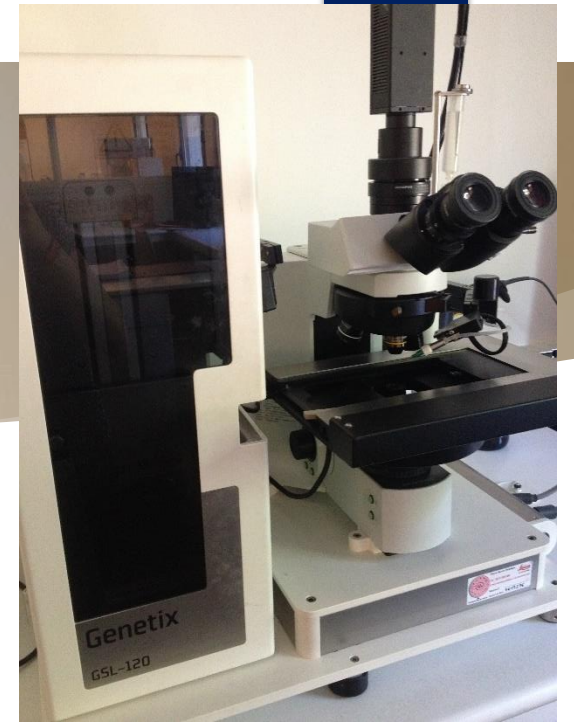
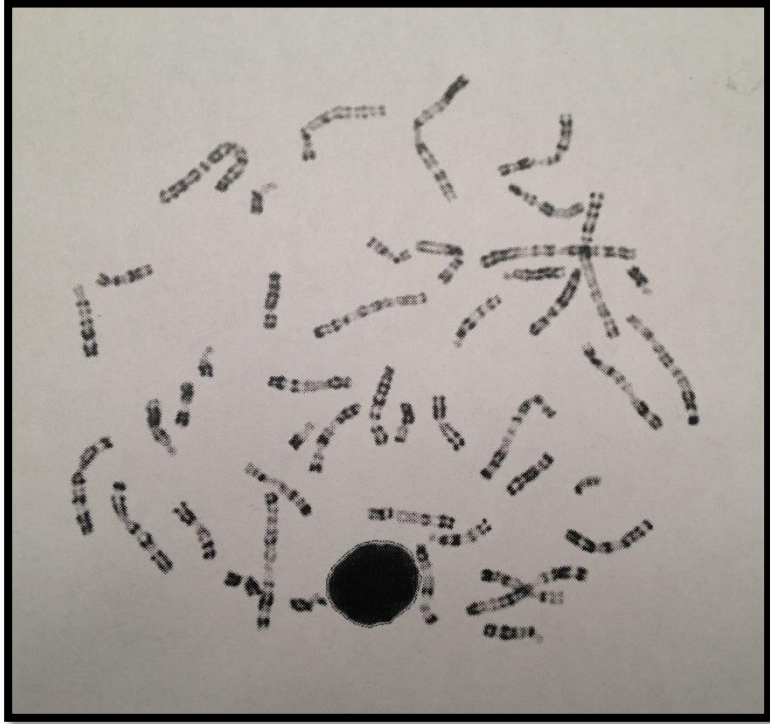
↓
Microscopic analysis and determination of karyotype

COLCHICINE

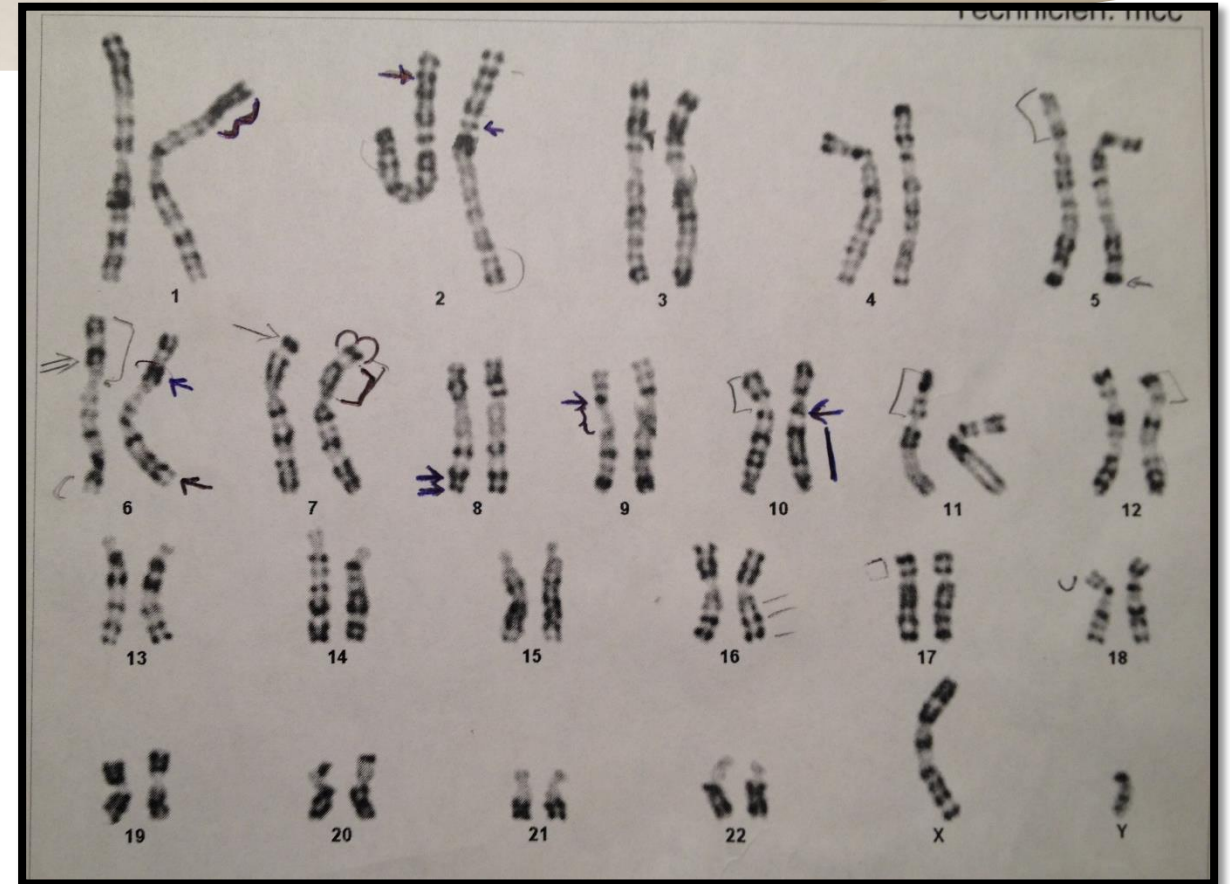
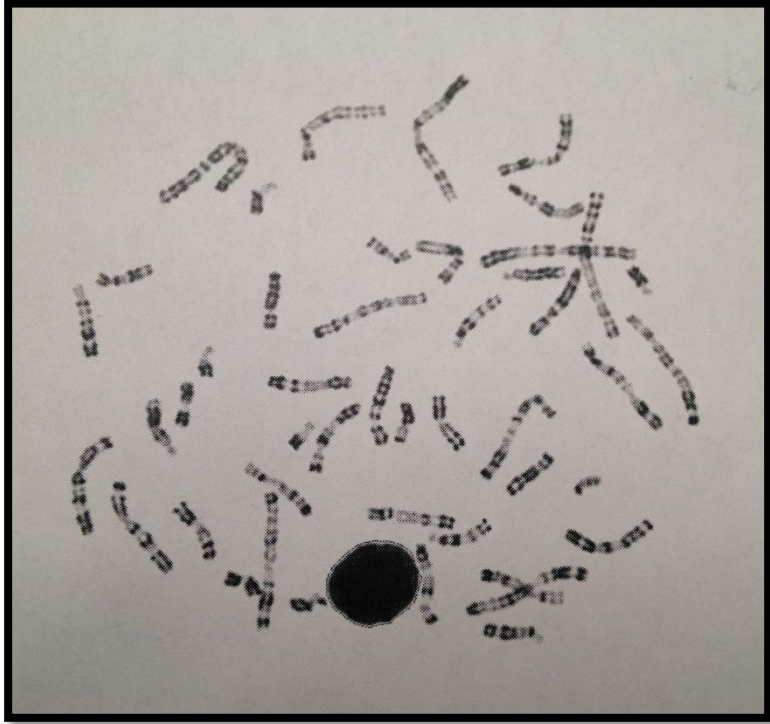
lymphocyte



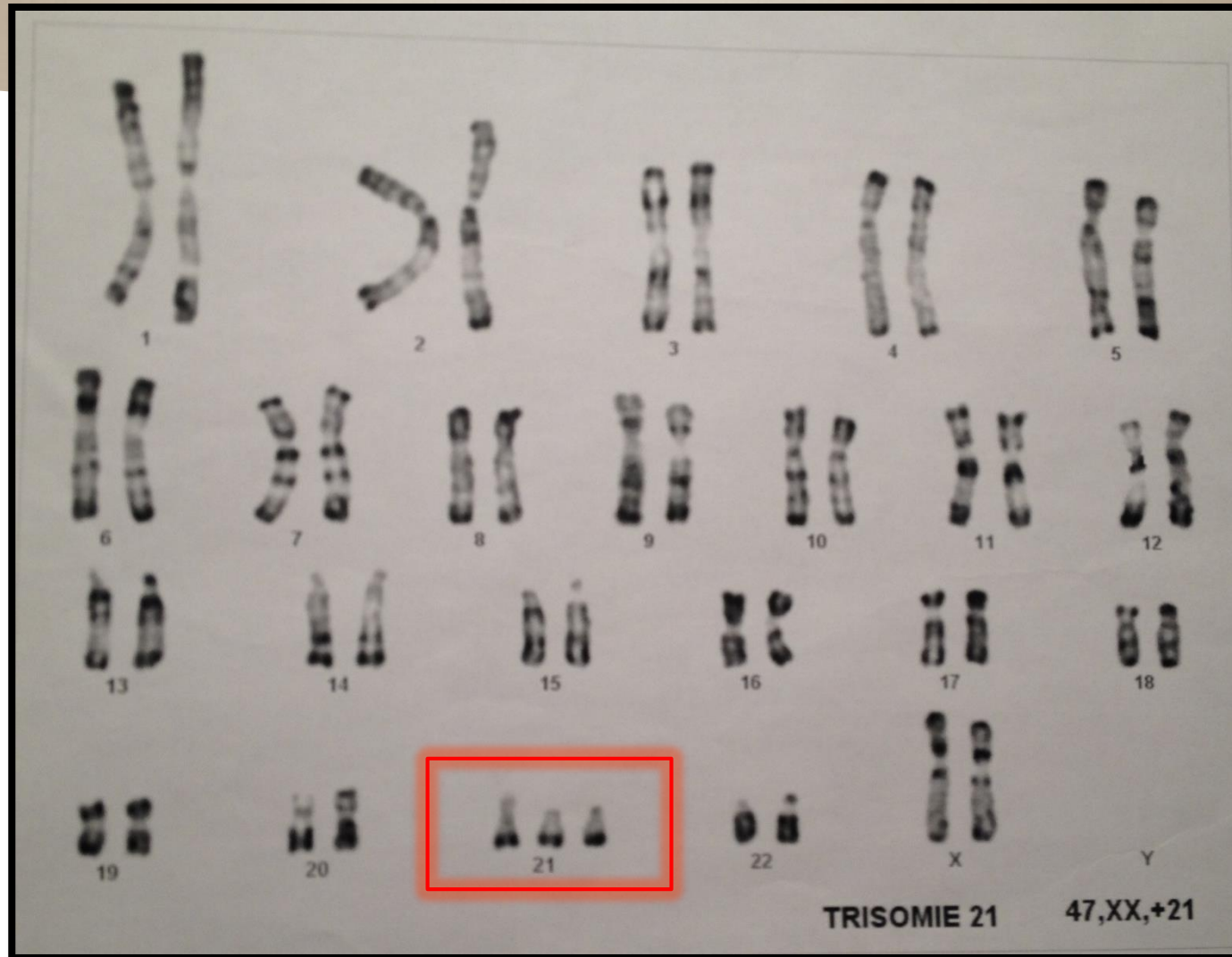
Karyotypes



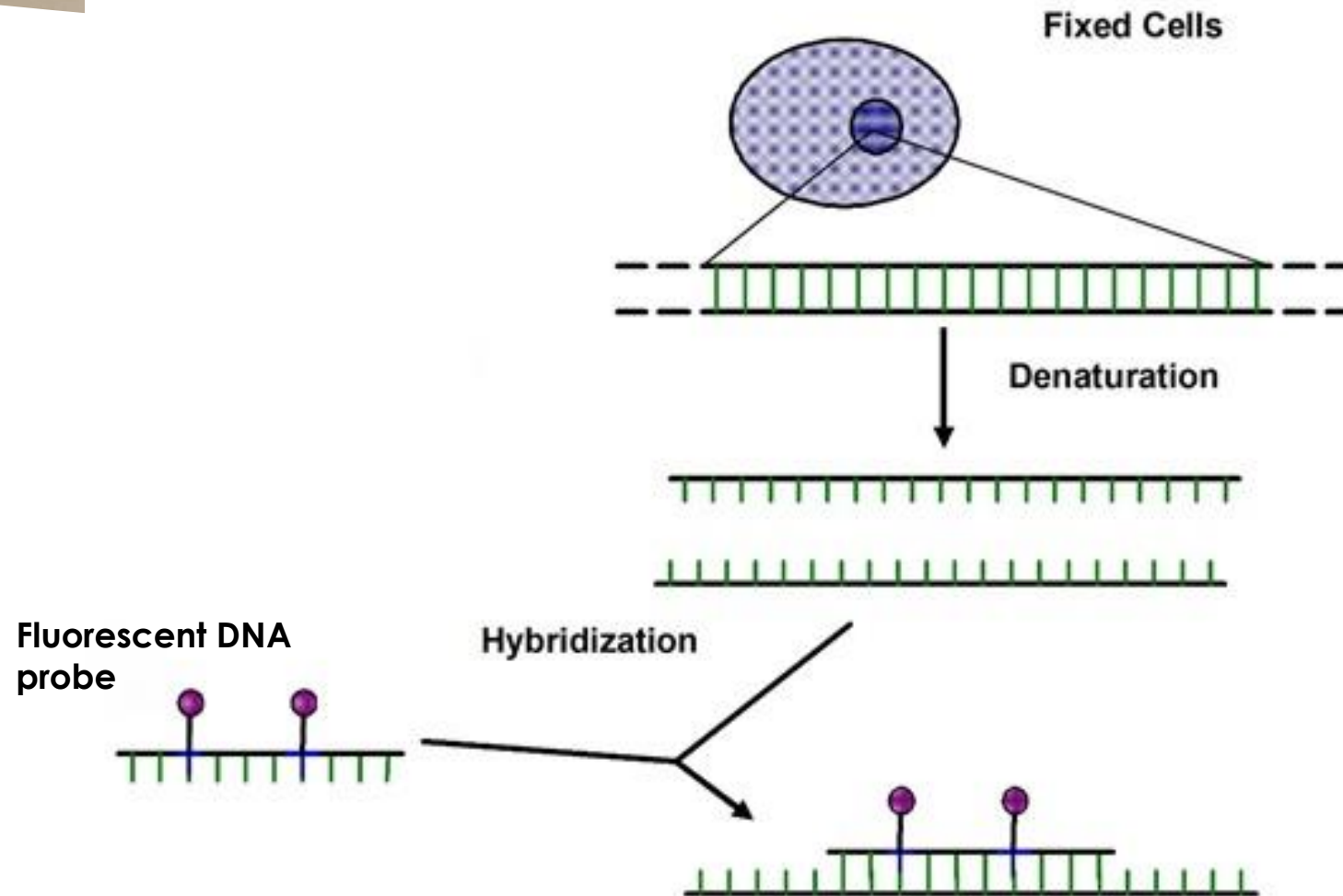
Karyotypes



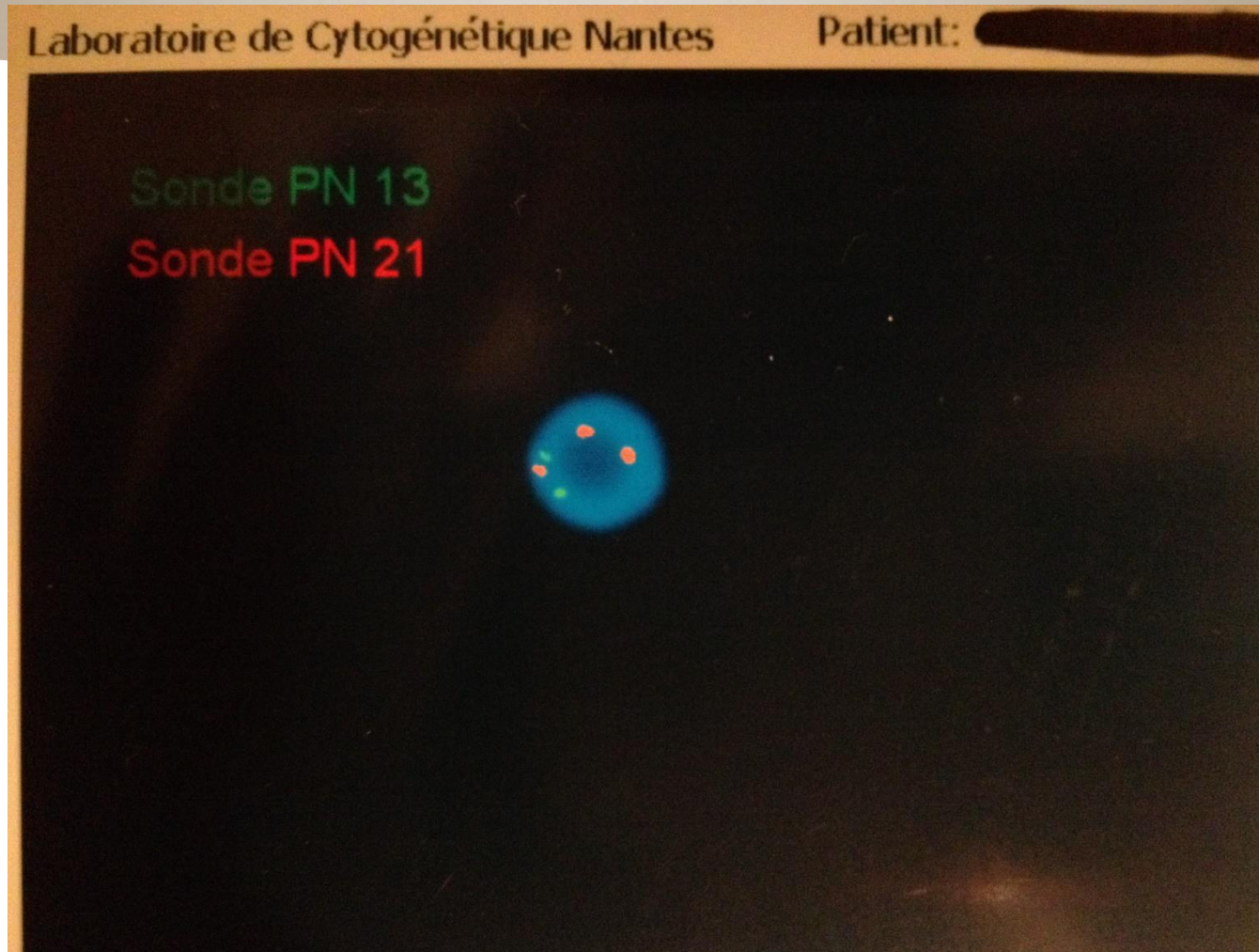
Down Syndrome



Hybridization in situ

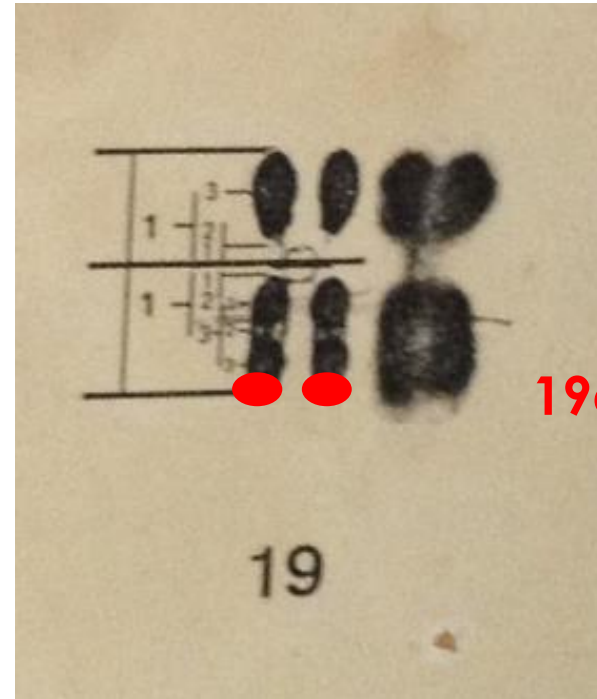
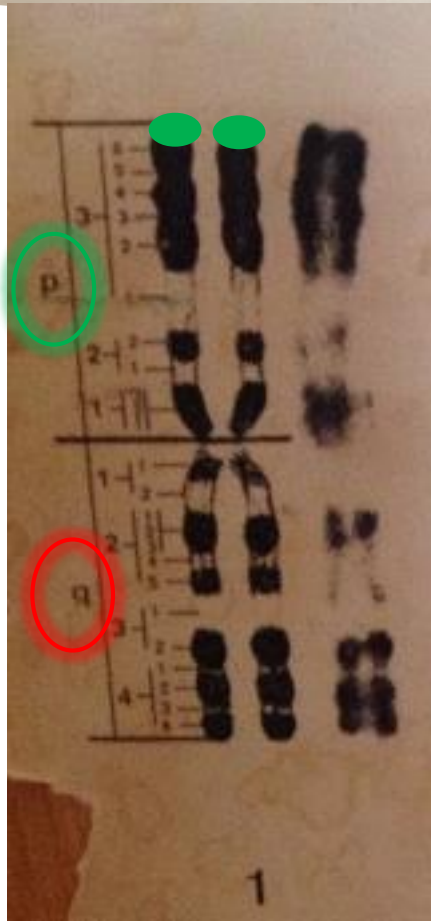


Hybridization in situ – Down syndrome



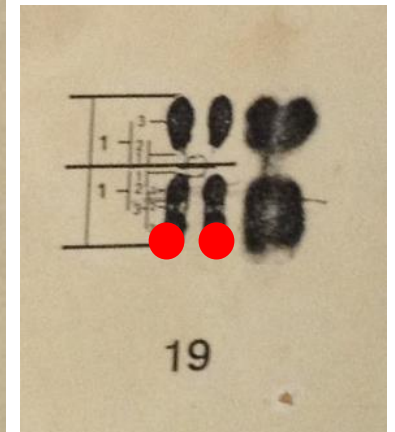
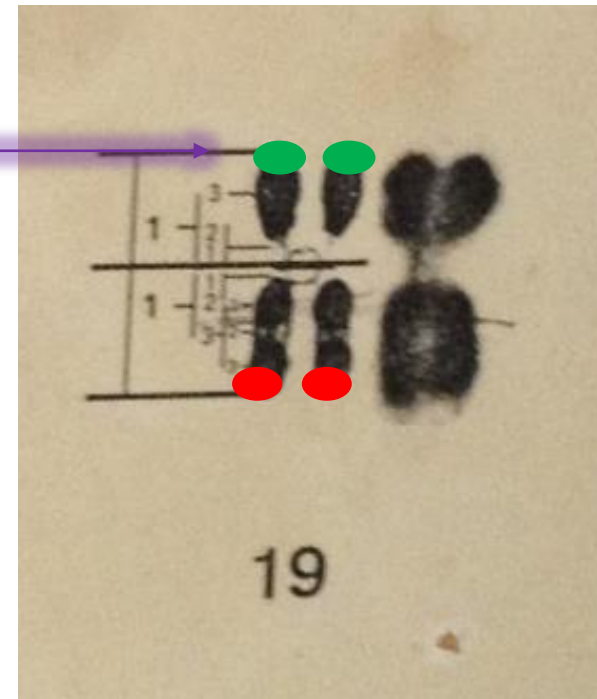
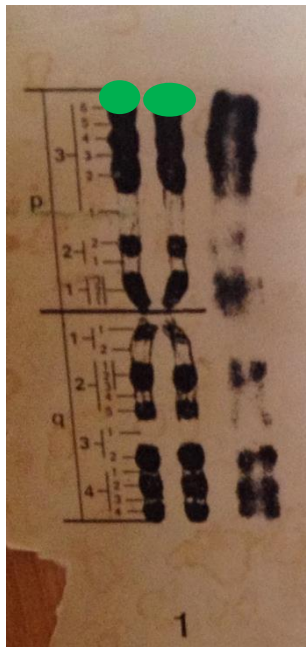
Hybridization in situ – hybridization probe

1pter

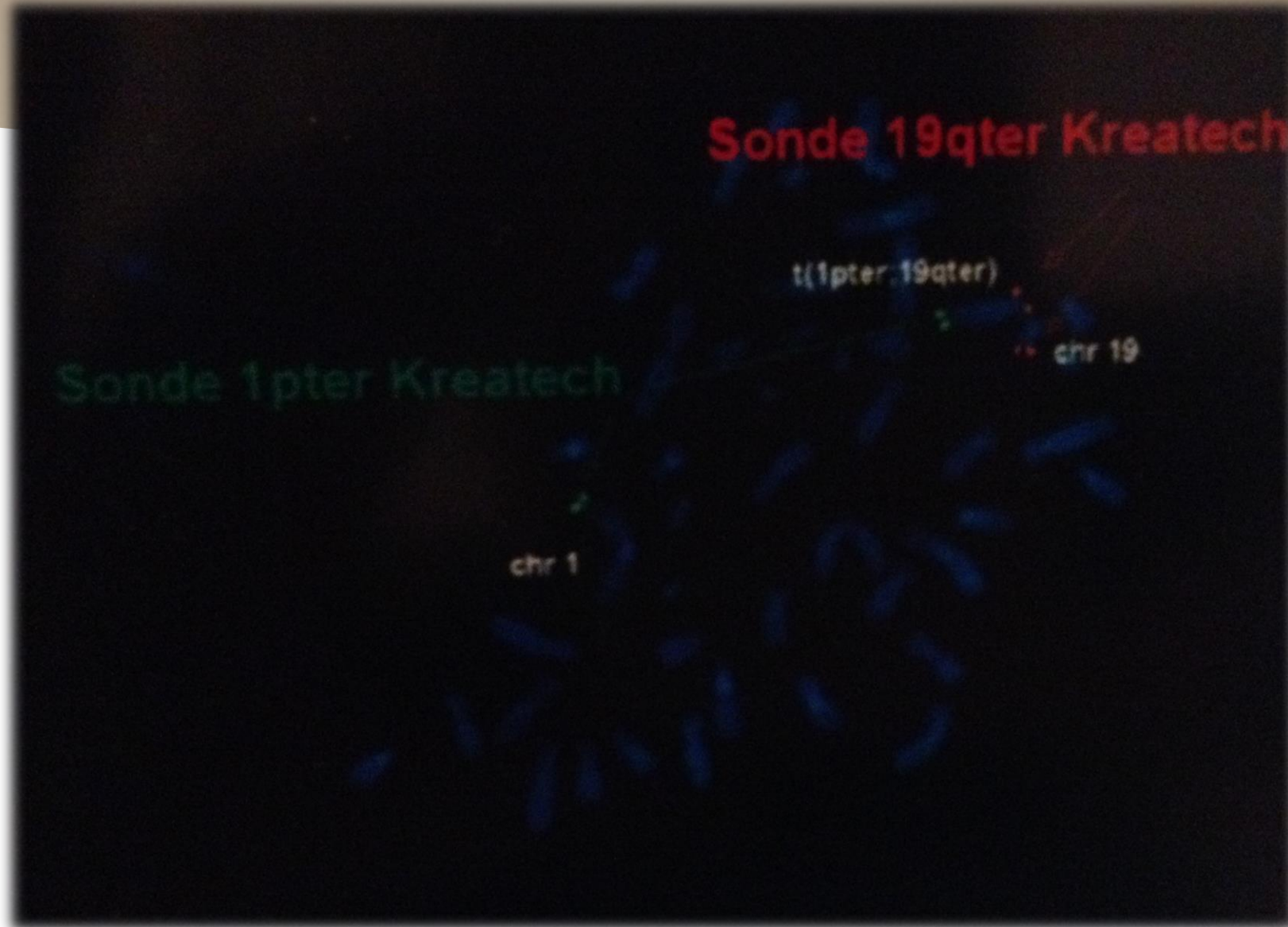


19qter

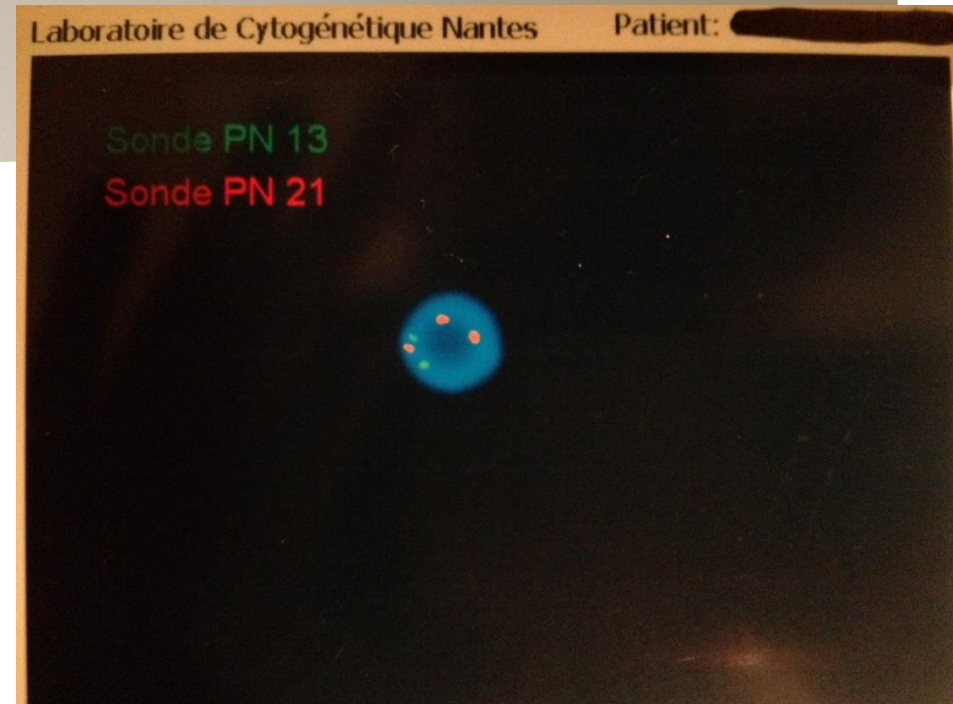
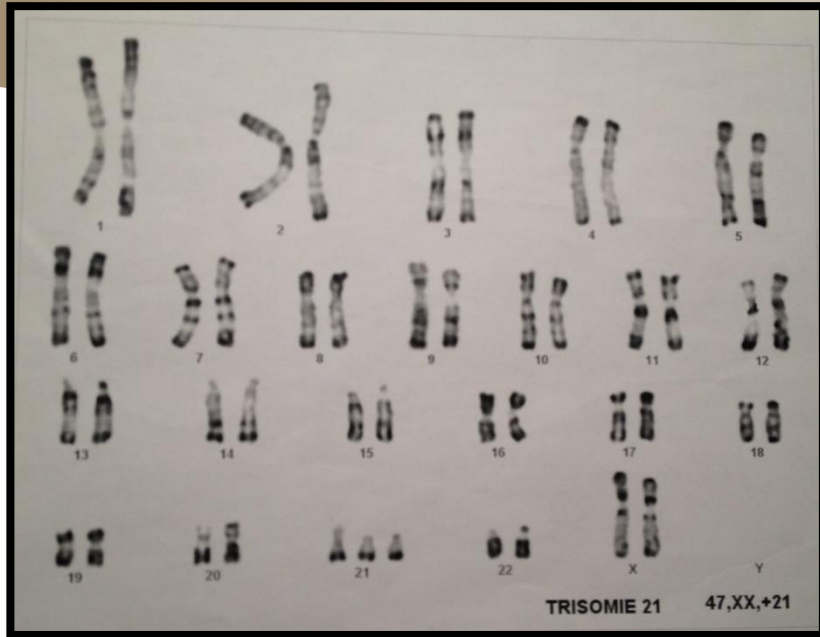
Hybridization in situ – t(1pter;19qter)



Hybridization in situ – t(1pter;19qter)



Thank you for your attention



Samples collections

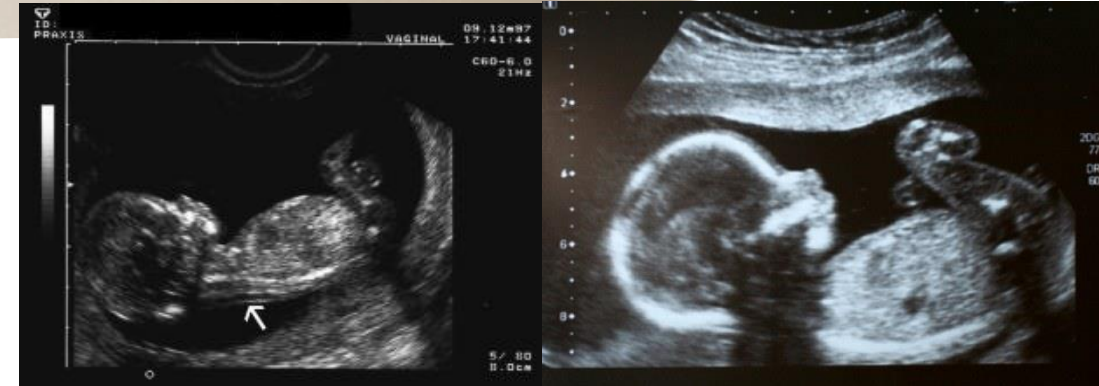
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