

Fertility Preservation Options for Cancer Patients



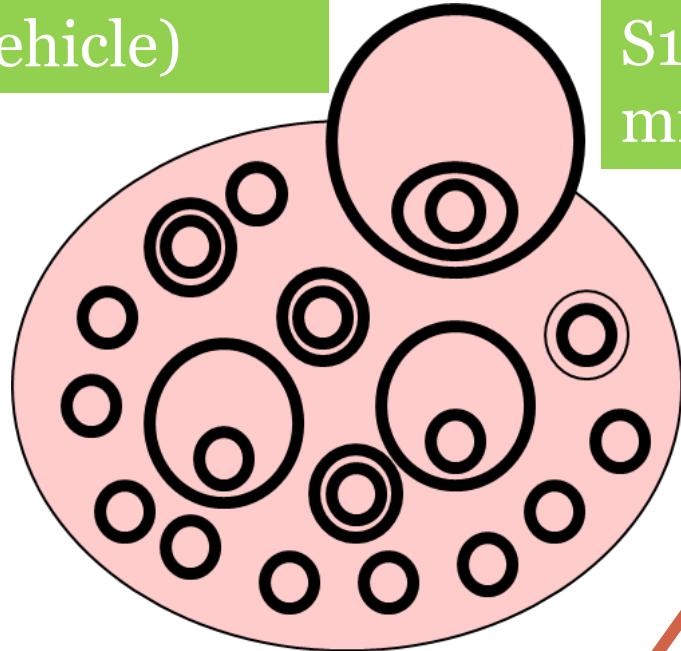
**OPTIONS FOR FEMALE AND MALE
CANCER PATIENTS UNDER 40 YEARS
OLD PRIOR TO CHEMOTHERAPY,
RADIATION THERAPY, AND BONE
MARROW TREATMENTS**

PART 2

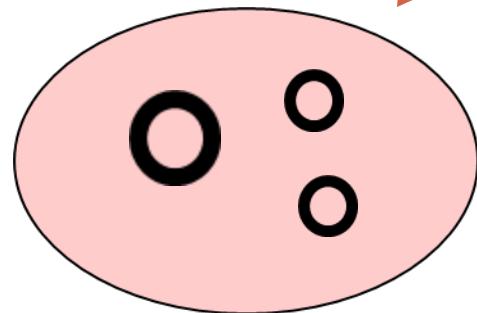
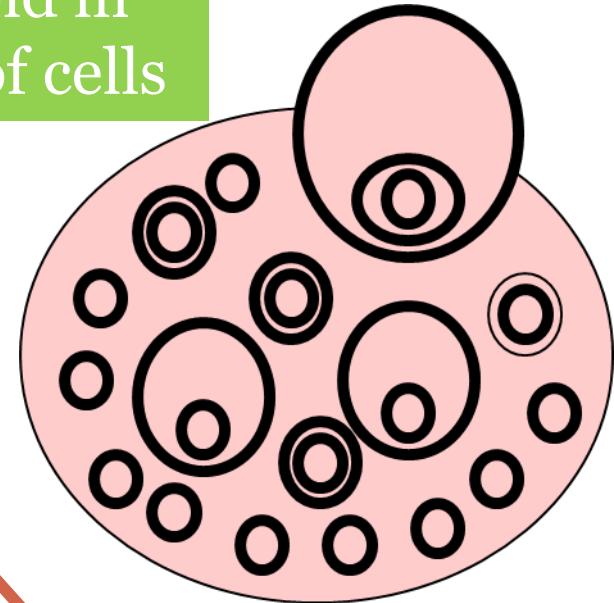


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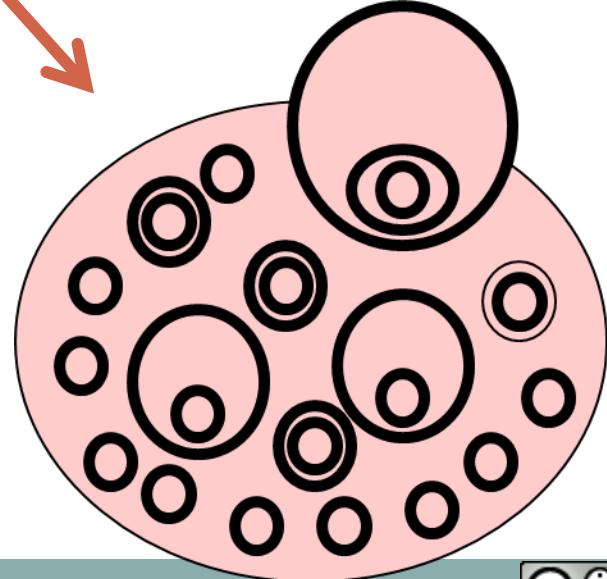
Control Cells
(vehicle)



Treated Cells –
S1P, natural lipid in
mitochondria of cells

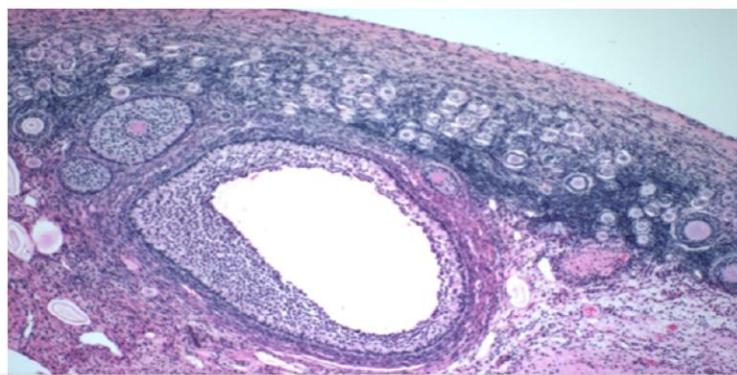


X-ray
Same dose
as given to
women with
cancer

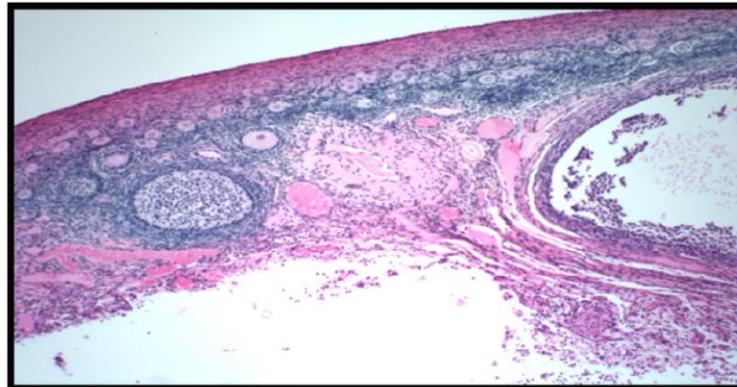


Before X-ray

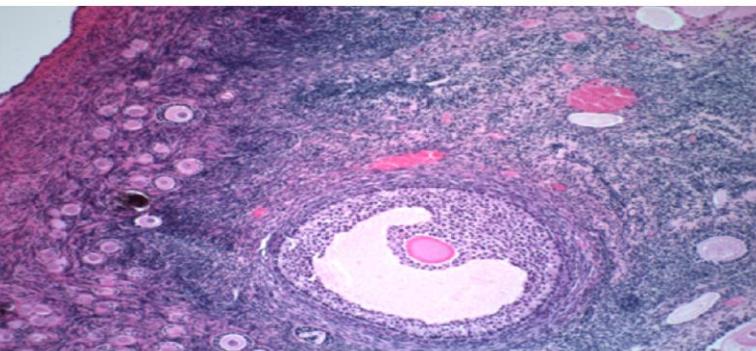
**Vehicle +
No X-ray**



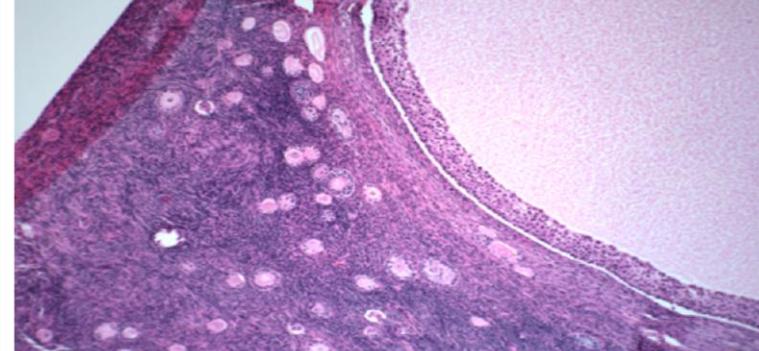
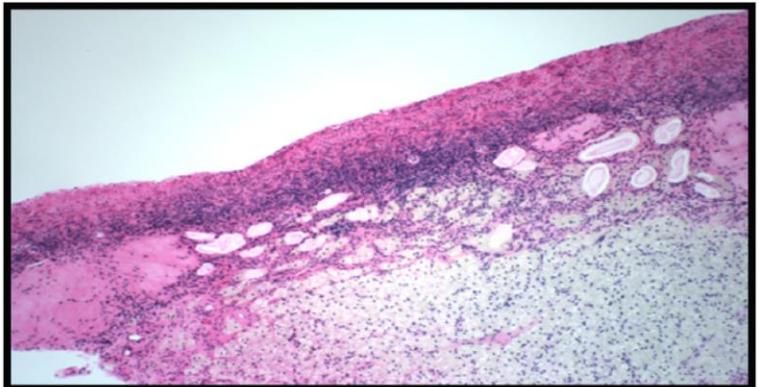
**Vehicle +
X-ray**



**S1P +
X-ray**



After X-ray (9-11 mos)



Photos: Mary Zelinski, PhD, ONPRC



Normal Pregnancy and Live offspring after Natural Mating

Mother's
ovaries

V + no
X-ray



Lono



Francis



Caprice

S1P
long
acting
+ X-ray



Hope



Boneita



Trinity

Photos: ONPRC

