Mays Al Shamayleh · 17h · Top contributor
Most common sign of edward syndrome ——-rocker bottom feet

Reply

Mays Al Shamayleh · 17h · Top contributor
Why is Turner syndrome (45, X) considered the most viable monosomy in humans while all other monosomies are fatal ?

Reply

Mays Al Shamayleh · 17h · Top contributor
Which of the following karyotypes is considered non-viable in humans?

A. 47, XXY
B. 47, XYY
C. 47, XXX
D. 47, YYY

Reply

Mays Al Shamayleh · 17h · Top contributor
Cry of the cat syndrome——specific deletion on chromosome 5

Reply

Mays Al Shamayleh · 17h · Top contributor
A patient presents with fatigue, weakness, and markedly elevated white blood cell count. Despite the high number of white blood cells, they are abnormal and functionally ineffective in fighting infection
What is the most likely chromosomal mutation responsible for this condition?
Reciprocal translocation t(9;22)

Reply

Mays Al Shamayleh · 17h · Top contributor
Which of the following is the most common cause of tetraploidy?

Mays Al Shamayleh · 17h · Top contributor
Which type of chromosome has a centromere that is displaced a little bit from the center?

A. Metacentric
B. Submetacentric
C. Acrocentric
D. Telocentric

Reply

Mays Al Shamayleh · 17h · Top contributor
According to Mendel's law of segregation, what is being separated during gamete formation?

Reply

Mays Al Shamayleh · 17h · Top contributor
Which term describes the transfer of a chromosomal segment to a non-homologous chromosome?

A. Inversion
B. Deletion
C. Translocation
D. Duplication

Reply

Mays Al Shamayleh · 17h · Top contributor
Which of the following cannot be used to study chromosomes?

A. Blood lymphocytes
B. Bone marrow cells
C. Amniotic fluid cells
D. Platelets

Reply

Mays Al Shamayleh · 17h · Top contributor
Which chromosomal banding technique stains AT-rich regions as dark bands?

Mays Al Shamayleh · 17h · Top contributor

Which chromosomal banding technique stains AT-rich regions as dark bands?

A. G-banding
B. Q-banding
C. R-banding
D. C-banding

Reply

Mays Al Shamayleh · 17h · Top contributor

Which substance is added to cell culture to stimulate cells to enter the cell cycle and undergo division?

A. Colchicine
B. Phytohemagglutinin (PHA)
C. Ethidium bromide
D. Heparin

Reply

Mays Al Shamayleh · 17h · Top contributor

In which phase are cells typically arrested for chromosome study?

A. Prophase
B. Metaphase
C. Anaphase
D. Telophase

Reply

DeterminedHedgehog3028 · 14h · Nickname

prometaphas المفروض الاجابة Mays Al Shamayleh

Reply

Mays Al Shamayleh · 17h · Top contributor

Which of the following statements about the centromere is correct?
It helps chromosomal segregation during cell division

Reply

DeterminedHedgehog3028 · 21h · Nickname

.2The shortest stage in cell cycle?
M phase

.3Chromosome 22 is:
Acrocentric

Reply

DeterminedHedgehog3028 · 21h · Nickname

.9Which of the following cannot be used in karyotype?
Erythrocyte

.10The band that made heterochromatin s dark and euchromatin light
G band

.11The location of beta satellite?
P arm of Acrocentric chromosomes

Reply

ExhilaratingKiwi7000 · 18h · Nickname

if we want to check for a small deletion in a chromosome, in which phase should we arrest the cells?

Reply

ExhilaratingKiwi7000 · 18h · Nickname

what is the initiator used in karyotyping?

Reply

Mays Al Shamayleh · 17h · Top contributor

How many DNA strands are present in a single chromosome during the G1 phase of the cell cycle?

Reply

Mays Al Shamayleh · 17h · Top contributor

Which phase of the cell cycle is the shortest?

A. G1 phase
B. S phase
C. G2 phase
D. M phase

Reply

Mays Al Shamayleh · 17h · Top contributor
Which of the following techniques helps detect small chromosomal abnormalities such as microdeletions and microduplications?
High resolution banding
Reply

Mays Al Shamayleh · 17h · Top contributor
Telomere———- maintain chromosomal integrity
Reply

Mays Al Shamayleh · 17h · Top contributor
What is expected in the gametes when nondisjunction occurs during meiosis I?
All gametes are abnormal
Reply

Mays Al Shamayleh · 17h · Top contributor
Zygot has only one copy of particular chromosome——— monosomic
Reply

Mays Al Shamayleh · 17h · Top contributor
n+1 gamete fertilized with normal gamete——trisomy
Reply

Mays Al Shamayleh · 17h · Top contributor
69,xxy considered—— euploid
Reply

Mays Al Shamayleh · 17h · Top contributor
What is the term for a chromosomal abnormality in which an extra identical copy of a chromosomal segment is present?
Duplication
Reply

Mays Al Shamayleh · 17h · Top contributor

Mays Al Shamayleh · 17h · Top contributor
A patient presents with fatigue, weakness, and markedly elevated white blood cell count. Despite the high number of white blood cells, they are abnormal and functionally ineffective in fighting infection
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Reply

Mays Al Shamayleh · 17h · Top contributor
Which of the following is the most common cause of tetraploidy?
Endomitosis

Reply

Mays Al Shamayleh · 17h · Top contributor
The type of Triploidy that is described by well formed placenta—— diandric

Reply

Mays Al Shamayleh · 17h · Top contributor
True about complete mole —— all paternal DNA ,no maternal DNA

Reply

Mays Al Shamayleh · 17h · Top contributor
The BCR-ABL fusion gene leads to which of the following effects?

A. Decreased cell proliferation
B. Increased tyrosine kinase activity
C. Inhibition of DNA replication
D. Loss of chromosome 21

Reply