


Cell Division: To Stop or Not to Stop?

Megan Hall

Outline:

- Built in Controls in Mitosis
 - Cells have a built in control system so that they will not divide constantly causing chos.
 - There are 2 main systems that stop the division of cells: Contact inhibition and go-no go.
 - In contact inhibition cells stop dividing when they touch each other.
 - In the go-no go system the paths that the cell takes tell the cells to divide and go or not to go.
- What is Cancer? What causes Cancer?
 - Cancer is a class of diseases characterized by out-of-control cell growth.
- There are many symptoms of cancer depending on the kind.
 - Some cancers can be felt or seen through the skin - a lump on the breast or elsewhere can be an indicator of cancer in those locations. Skin cancer (melanoma) is often noted by a change in a wart or mole on the skin. Some oral cancers present white patches inside the mouth or white spots on the tongue.
- There is a higher risk for cancer as we get older.
 - As we age, there is an increase in the number of possible cancer-causing mutations in our DNA. This makes age an important risk factor for cancer.

readwritethink
K-12

Thinkfinity |  verizon foundation

Copyright © 2012 Verizon Foundation. All rights reserved.