

Why do some cells swell over time

Swelling of lymph nodes, medically termed lymphadenopathy, indicates the immune system is actively responding to a threat. The most frequent cause is infection, often from common viral ...

In some cases, your left leg can swell more than your right. What Causes Left Leg Swelling? In many cases, the swelling of the legs happens evenly, without one leg looking larger than the other. But sometimes one leg ...

Most people expect a mosquito bite to be a minor irritation - a small, itchy bump that disappears within a day or two. But for some, the body's response can be far more intense: severe ...

A lump on your wrist or hand is likely not harmful. A bump that feels like bone is likely a carpal boss, a movable bump is typically a ganglion cyst, and a lump on the palm of your hand may be Dupuytren's contracture. In rare ...

Some studies suggest that mosquitoes are less likely to get swatted away in those far away spots. But why do mosquito bites itch more on your feet? That's because feet have a different type of skin than the rest of your body and ...

A cell that does not have a rigid cell wall (such as a red blood cell), will swell and lyse (burst) when placed in a hypotonic solution. Cells with a cell wall will swell when placed in a hypotonic solution, but once the cell is turgid ...

The plasma membrane of each cell is a bilayer of lipids; as cancer cells swell in number, they have to source lipids from their immediate environment or make their own to maintain their ...

It's not just that fat shrinks, but our bodies also clear out damaged - so called "senescent" - fat cells at the same time. It's the presence of these cells, they think, that contribute to some of ...

This post will teach you all that you need to know about an enlarged/swollen thyroid including what it means, how to diagnose it, your next steps, and more: What is an Enlarged/Swollen Thyroid? Let's start with some ...

Initially, dry seeds rapidly absorb water due to their low internal water potential. The influx of water causes cells to swell, increasing cell volume. This increase triggers mechanical stress on cell ...

Red blood cells can be kept from bursting or shriveling if put in a solution that is isotonic to the blood cells. If the blood cells were put in pure water, the solution would be hypotonic to the blood cells, so water would enter the ...

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Approximately 20 percent of people have hives at some time during their lives. Hives develop when there is a reaction that activates immune cells in the skin called mast cells. When activated, these cells release natural ...

Cellular atrophy is a fundamental process where cells decrease in size, leading to the shrinkage of an organ or tissue. This represents a reduction in cell volume, not a decrease in the number ...

The study, published 25 July in *Cell*, also suggests that some tissues -- especially blood vessels -- age faster than others, and it identifies molecules that can hasten the march of time.

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