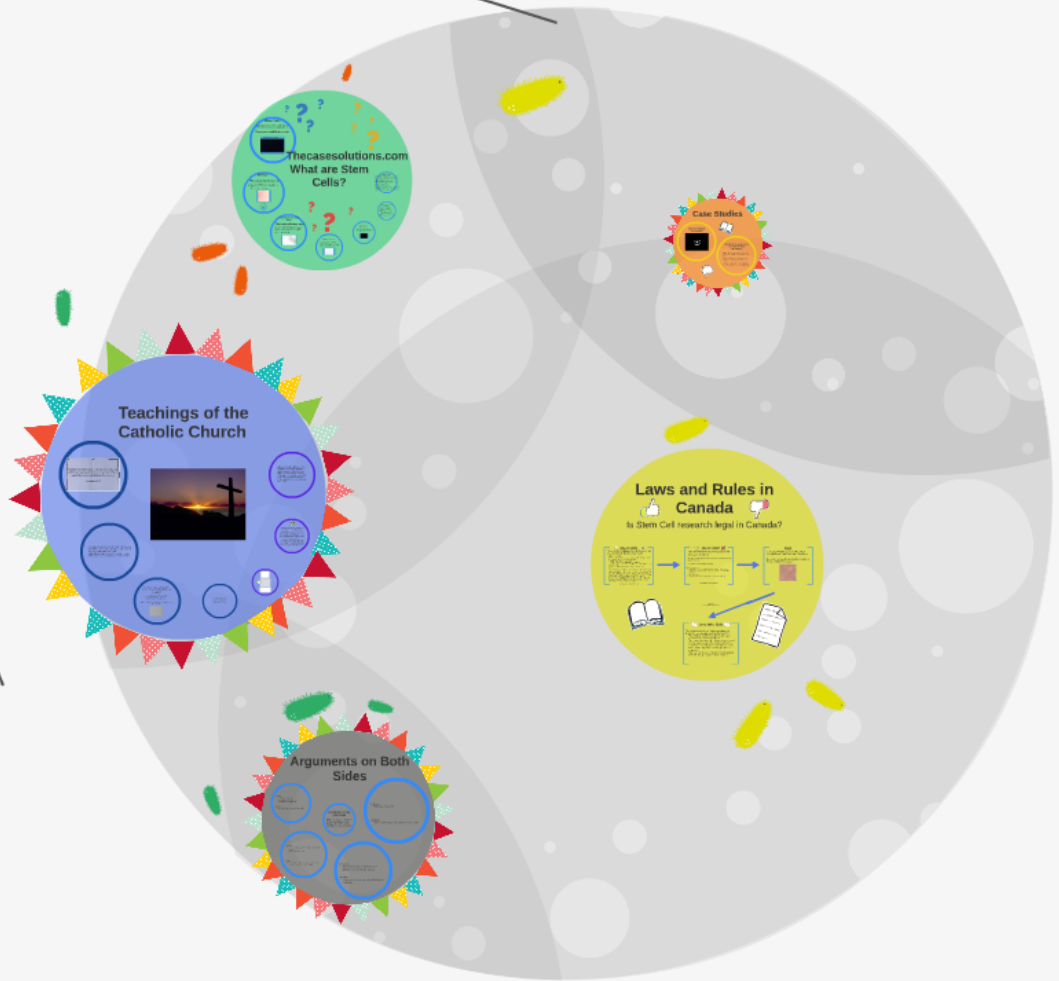
Lantian Stock: The 600-Word Spell on a Transformed State-Owned Enterprise in China



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Lantian Stock: The 600-Word Spell on a Transformed State-Owned Enterprise in China

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What are Stem Cells?

Stem Cells

Stem Cells *are cells with the ability to divide continuously to give rise to specialized cells.*

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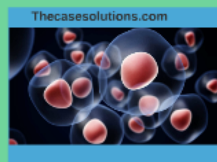

Embryo

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In humans, the developing organism from the time of fertilization until the end of the eighth week of gestation, when it is called a ***fetus****.*

In other words, a potential human being.

Somatic (adult) Stem Cells

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They are rare undifferentiated cells found in many organs and differentiated tissues with a limited capacity for both self-renewal and differentiation.

They are ***non-embryonic.***

Amniotic Stem Cells

A mixture of stem cells found in the amniotic fluid surrounding a fetus during pregnancy. They as well, have the potential to transform into various tissue types.

Blastocysts

A thin-walled hollow structure in early embryonic development that contains a cluster of cells called the inner cell mass from which the embryo arises.

Stages of Embryonic Stem Cell Research

Works Cited

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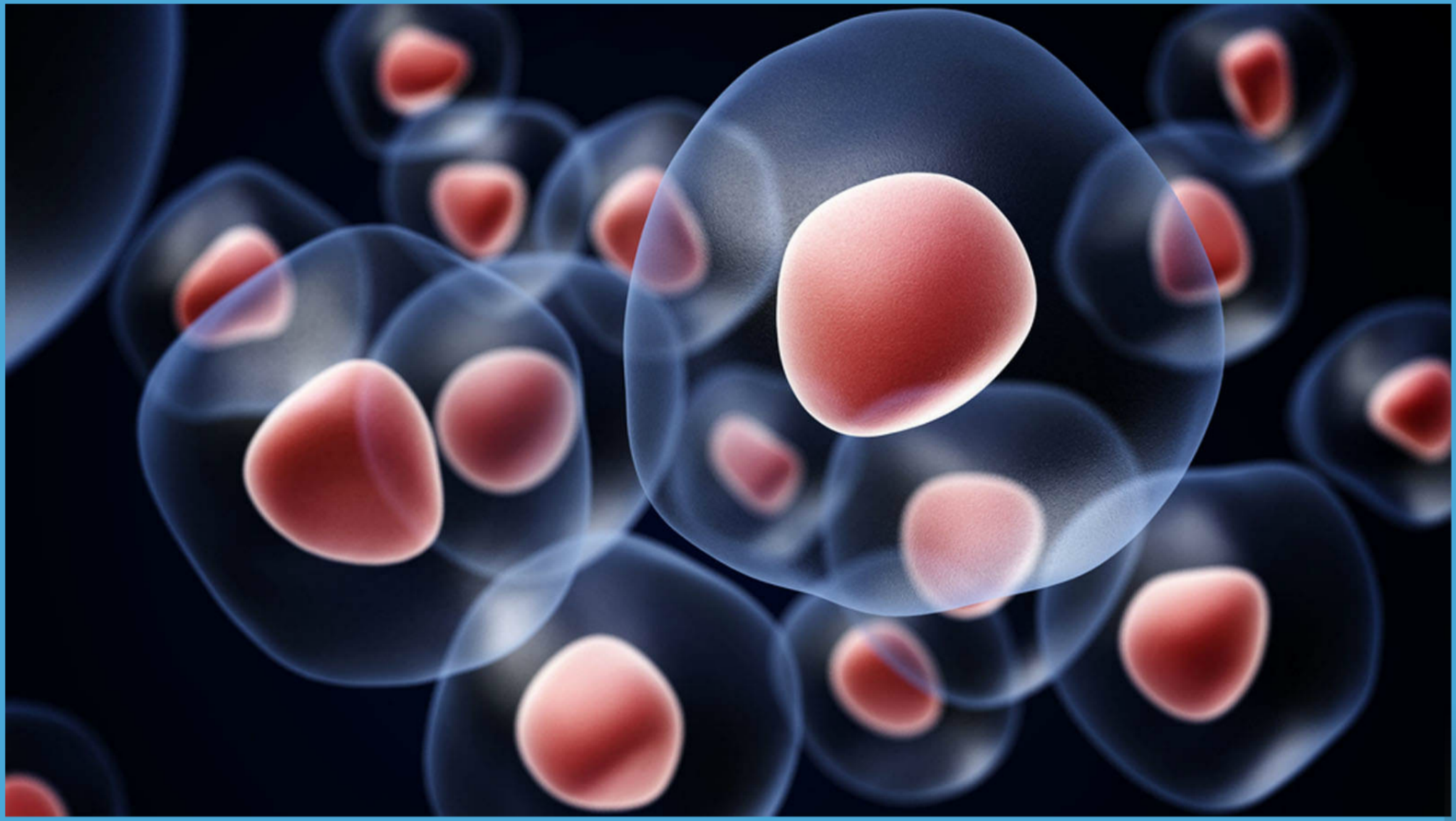

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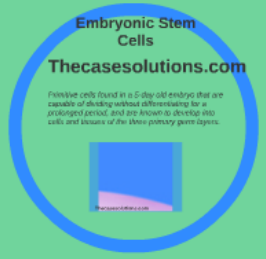

Embryonic Stem Cells

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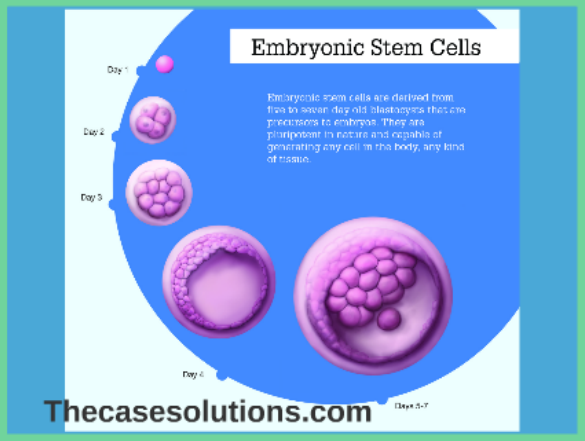
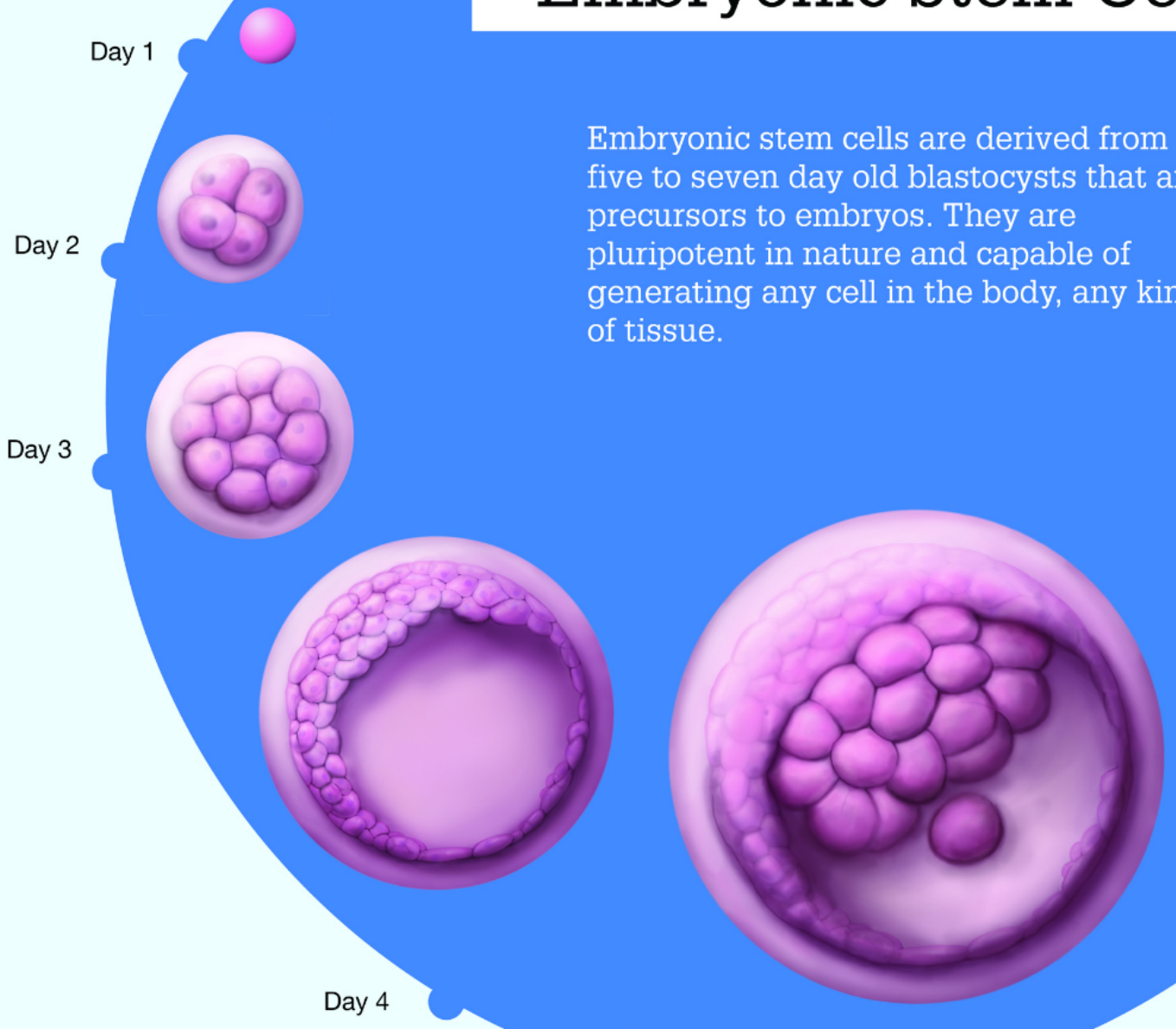
Primitive cells found in a 5-day old embryo that are capable of dividing without differentiating for a prolonged period, and are known to develop into cells and tissues of the three primary germ layers.



Embryonic Stem Cells

Embryonic stem cells are derived from five to seven day old blastocysts that are precursors to embryos. They are pluripotent in nature and capable of generating any cell in the body, any kind of tissue.



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