

Fascinating Video Shows Conception to Birth Visualized

CALEB PARKE JAN 6, 2014 | WASHINGTON, DC

Did you know a baby develops hands and arms just 32 days after conception?

That's just one of the amazing discoveries made by Alexander Tsiaras, founder of [thevisualMD](http://www.thevisualmd.com/) [<http://www.thevisualmd.com/>].



Tsiaras said the ultra-complex formation of a human being is full of mystery, magic and divinity. He was an associate professor of medicine and chief of scientific visualization at Yale University in the department of medicine when he had to write many of the algorithms and code for NASA to use for virtual surgery in preparation for the astronauts going deep into space using robotic pods. We're talking more complex than rocket science.

"Using new kinds of scanning technology allowed us to see things about the body that just make you marvel," said Tsiaras of his research. "Even though I'm a mathematician, I marvel as these instruction sets do not make mistakes as they build what is us."

Here are some spectacular facts about the developing human body during birth:

- 24 hours: the baby's first division
- 25 days: heart chamber is developing
- 32 days: arms and hands are developing
- 36 days: Most rapid development – if the baby continued to grow at this speed for the entire 9 months, it would be 1.5 tons at birth
- 45 days: baby's heartbeat is twice as fast at the mother's
- 52 days: developing retina, nose and fingers
- The baby's continual movement in the womb is necessary for muscular and skeletal growth
- 9 months: baby has 60,000 miles of vessels bringing nutrients and taking waste away
- Birth: mystery, magic and

miracle.

Tsiaras sums up the early stages of the pregnancy, as the baby's development in its mother's womb seems to say, "I'm here to stay; plant me."

In the video below, Tsiaras uses art and technology to visualize the miracle of the unseen human body.

True to the slogan of [TEDTalks](http://www.ted.com/talks/alexander_tsiaras_conception_to_birth_visualized)

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this is definitely an idea worth spreading.

[Editorial Comment: As we await the virgin birth of Jesus, this video helps us visualize the wonder of God's design of the human being, including Jesus the God-Man.]