

WORLD OF
ROBOTS

da Vinci[®]
TRAUMATIC SYSTEM

2

MEDICAL ROBOTS



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MEDICAL ROBOT AT WORK!

Geena slumped in her chair. She didn't want to learn about her dad's surgery. The hospital was boring. The surgeon talked super fast and used a lot of words she did not know. Geena heard the word "robot." Then the surgeon led them into the operating room.

There was a chunky plastic desk with a viewfinder in the top half. A machine with four arms stood next to a hospital bed. At the end of each arm were shiny metal instruments.





TAKING OVER

Some predict that by 2021, robots will perform one out of three surgeries.



The surgeon sat at the desk. When he moved the controls, the machine's arms rotated. The tiny pinchers at the ends of the arms picked up a piece of paper on the bed. Two pinchers worked together to fold the paper into an airplane.

The surgeon explained that the robot would operate on Geena's dad while he ran the controls. The robot's tiny, **precise** cuts would heal quickly, he said.

For the first time ever, Geena wished their hospital visit could last longer.



WHAT ARE MEDICAL ROBOTS?

Medical robots help doctors and patients in many ways. Their movements are precise and steady. Some can lift heavy things. Robots can also do boring jobs without making mistakes.

Surgical robots help by making surgery less **invasive**. This means less pain for the patient. **Therapy** robots can help injured people learn to walk again. Robots can help nurses by lifting people out of beds and into wheelchairs. Other robots help package medications and get them ready for patients.





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