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BURRELLE'S

New treatment may mean hope for lupus patients

CHICAGO (AP) — Lupus, an incurable disease that turns victims' immune systems against them, has proved vulnerable to a new radical approach that destroys and then revives the body's natural defenses, doctors said Friday.

A 24-year-old woman dangerously ill with the disease shows no signs of lupus in her system two months after the treatment, said Dr. Richard Burt at Northwestern Memorial Hospital.

Heather Markel, whose condition worsened recently after 13 years of treatment with steroids and chemotherapy, is the first patient to receive the treatment, Burt said.

A medical student from Millersburg, Ohio, Markel contracted lupus when she was 11. The disease attacked her lungs, kidneys, blood and central nervous system, leaving her with failing kidneys and soaring blood pressure when she came to Northwestern in January.

Since the stem cell transplant in April, Markel's kidneys are normal, her strength is back and she takes less steroids.

"I think about what it would be like to be normal, not to take medicines," said Markel. "I don't know really what it's like to not go into the hospital every time you get sick."

Burt and others cautioned that it is still early for a definitive answer since the disease is characterized by active and inactive periods.

"We're just going to have to continue to follow her," Burt said. "This is much more than you would expect from a normal remission."

The new process takes stem cells, which grow into bone marrow cells, a foundation of the immune system, from a patient's blood and purifies them. Intense chemotherapy destroys the patient's immune system and then the purified cells are returned to blossom and re-create the immune system.

But destroying the immune system exposes patients to other dangers, so for now only the most severely afflicted lupus patients, or about 1 percent, should get the treatment, Burt said.