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MD Aims to Improve Nation's Health Using Olympic Athletes as `Walking Fitness Labs'

In 1977, vascular surgeon Irving Dardik and computer scientist Gideon Ariel collaborated at the Squaw Valley Sports Medicine Center to study physical fitness using Olympic athletes. Dardik, a former top-notch sprinter, developed a coronary bypass graft technique using human umbilical cords. However, he was more interested in preventing heart disease than treating it.

The U.S. Olympic Committee appointed Dardik to set up the first of several Olympic Sports Medicine Institutes. The goal was to help Olympic-caliber athletes learn more about their bodies and improve the nation's physical fitness.

Ariel, a former Olympian, used computer technology to analyze athletes' movements and improve their techniques. His work helped discus thrower Mac Wilkins break the world's discus record. Ariel's computer analysis also had applications outside of sports, such as helping people with leg prostheses walk normally.

Dardik and Ariel also addressed the widespread use of anabolic steroids among athletes, calling for more research into their long-term effects. They criticized the lack of interest in sports medicine in the U.S. and called for more corporate support.

Dardik also set up a foundation in Englewood, N.J., using Olympic athletes to train juvenile diabetics. The program improved the kids' cardiovascular condition and reduced their insulin needs. Dardik planned to expand the program and set up more sports medicine institutes around the country.

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Below find a reprint of the 2 relevant pages of the article "MD aims to improve nation's health using Olympic athletes as 'walking fitness labs" in "American Medical News":



MD aims to improve nation's health using Olympic athletes as 'walking fitness labs'



Vascular surgeon Dardik (left) and computer scientist Ariel are collaborating at the Squaw Valley Sports Medicine Center to learn more about physical fitness using unique specimens—Olympic athletes.

AMERICAN MEDICAL NEWS August 1977

U.S. sports medicine neglected, MD says

That's a result of the apparent lack of interest in sports medicine in the United States, he and Dr. Ariel believe.

He pointed out that there were plenty of companies in the United States who make pulmonary function equipment like the one recently donated to the training center—but the one donated came from a West German firm, given to the U.S. Olympic Committee.

ing against others, then maybe you could call it at ModENT you put a stop-watch or a measuring tape to something, it becomes a science."

Dr. Dardik adds that the goal of the institute is a lot broader, and a lot more distant than merely the 1966 Moscow games.

"We're not just a burch of jocks up the declared, pointing out there had already been a splinoff from the program in his own backyard.

Dr. Dardik has set up a foundation in Englewood, N.J., using Olympic athletes to work 'mone on one' with juvenile diabetics. With the help of mone of the best of the second of th

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