

1	MDTV MEDICAL NEWS NOW - LASIK SURGERY	
2	through a procedure called LASIK laser vision	00:09:30
3	correction.	00:09:30
4	With more about LASIK and the technology	00:09:30
5	behind it is medical reporter Sean Doran and today's	00:09:32
6	MDTV medical moment.	00:09:38
7	MR. DORAN: LASIK or laser vision	00:09:40
8	correction is a procedure that owes its phenomenal	00:09:42
9	success rate to two factors: The skill of the	00:09:46
10	surgeon and a computer-controlled laser developed in	
11	1979 by IBM for the production of silicone computer	00:09:52
12	chips. It's called the excimer laser, and today is	00:09:54
13	used to correct poor vision. Here's how:	00:09:58
14	The first step in LASIK laser vision	00:10:00
15	correction is to analyze the irregularities of the	00:10:02
16	eye. This is accomplished through corneal	00:10:04
17	topography. The automated equipment measures the	00:10:08
18	eye according to several thousand points and creates	00:10:10
19	a topographical map of the cornea's shape. This	00:10:12
20	information is fed into a computer and will be used	00:10:18
21	to guide the laser. Next, the ophthalmic surgeon	00:10:18
22	uses a device called a microkeratome to create a	00:10:22
23	protective corneal flap. The flap is folded over,	00:10:26
24	exposing the inner corneal tissue. Now, the surgeon	00:10:28
25	uses the excimer laser to precisely sculp the inner	00:10:34

