

South Dakota LUCAS Impact Video Transcription

Slide: The following are testimonials from real medical professionals.

Slide: Each has experience using the LUCAS 2 Device.

Slide: (Picture) City of Sturgis Population 6,627

Jeremy Deuter (EMT Basic, Sturgis Ambulance and Fire Department):

Sturgis, South Dakota is a very rural area and we cover the area of twenty-three square miles. The call that we had during the Sturgis Rally was a man unresponsive.

Aaron Mitchell (Paramedic, Sturgis Ambulance and Fire Department):

It's clear out in the county. I believe it was like eighteen or nineteen miles one way. So my partner and I hop in the truck. Took us about twenty minutes to get there.

Jeremy Deuter: We saw the – a lady doing chest compressions on a very large man. I'm not a very big person so for me to do adequate chest compressions to somebody that large is extremely difficult and tiring. I did the LUCAS, I got it out of the bag, we rolled the guy over, we slid the back piece on underneath of the gentleman and clipped it down and started chest compressions right away. Applying it in the field it was really fast and easy and actually I didn't even have to think about it, it was that simple to put on.

Aaron Mitchell: The device is extremely convenient. It's placed, right where it needs to be placed to provide adequate compressions. So it allows you to still be able to work around your patient, do certain things with the patient that need to be done. When we load the patient into the ambulance - five or six seconds - that compressions are still going. When we're locking them into, you know into our securing device in the ambulance - compressions are still going. We don't have to wait for personnel to jump around or jump you know, jump from one side of the truck to the other side.

Jeremy Deuter: When I've run codes manually you can see gaps where you're not doing proper rate and depth. With the LUCAS machine it's consistent and it is steady.

Slide: The LUCAS 2 Device helped paramedics regain a slight pulse.

Slide: Many people do not recover even after CPR is administered. The patient did not survive.

Slide: (Picture) Welcome to Rapid City visitrapidcity.com

TJ Nicolai (EMS Section Chief, Rapid City Fire Department): Rapid City has a small town feel to it. We're primary tourist, so we get a lot of tourists in the summer time. We're pretty rural, a lot of ranchers. We respond as far away as fifty miles away. So it can be - we can have some long transport times, greater than an hour sometimes.

Michael Bartling (Captain, Rapid City Fire Department): We were dispatched to a roll over on Skyline Drive, which is a large mountain right in the middle of the city. There was a lot of tourists and traffic so getting to the accident was really difficult.

TJ Nicolai: When we arrived on scene we had a mid-twenties year-old patient who was partially ejected from the vehicle, and had bystanders and law enforcement performing CPR.

Michael Bartling: We had just actually finished the LUCAS training that day and we had just come from the training. So the engine crew, they placed the device on the victim and packaged him for transport.

TJ Nicolai: It goes on relatively easy. You can put it on consistently in less than ten seconds to continue CPR. Where it really helps us out is, is in all those time where you're moving the patient, when you would stop CPR, re-start CPR, moving the patient onto a backboard, moving the patient into the back of the ambulance, moving the patient into the emergency room where you weren't able to take and do good consistent CPR, it allows us to do good patient care and good CPR during those times.

Michael Bartling: The LUCAS did outstanding compressions for us the entire time. It ended up being a fatality. Nothing, nothing that we could have done would have changed that outcome.

TJ Nicolai: I guess if there's a good thing or good part of the story is, is they were able to do a, just an incredible harvest to, you know, help a lot of other people.

Slide: Kidney

Slide: Spleen

Slide: Liver

Slide: Lungs

Slide: Heart

TJ Nicolai: Us getting him to the hospital and being able to live as long as he did benefited so many other folks.

Slide: This was the first documented case of the LUCAS 2 preserving organs for transplant.

Slide: Five organs were harvested as a result, benefiting five different people.

Jeremy Deuter: I think every ambulance should have a LUCAS in them. Every ambulance.

TJ Nicolai: To improve our system status dramatically just by being able to, to do what we normally need a whole bunch of other people to do.

Aaron Mitchell: I think that speaks, speaks volume about the device - is that once you have it and used it you don't want to go any other way.

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