



STUDY: VIDEO GAME MAY HELP MORE WITH DUCHENNE

Game measure patients' abilities, hope is data will get more into clinical trials

Nationwide Children's Hospital

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SUGGESTED TEASE	SOME PARENTS COMPLAIN IF THEIR KIDS SPEND TOO MUCH TIME PLAYING VIDEO GAMES - BUT NOT THIS ONE. WE'LL SHOW YOU HOW THIS GAME COULD HELP HUNDREDS OF KIDS WITH A DEVASTATING CONDITION, COMING UP NEXT.
ANCHOR LEAD	IMAGINE LIVING WITH A LIFE-THREATENING DISEASE AND BEING TOLD THAT YOU SIMPLY CAN'T TAKE PART IN MANY PROMISING RESEARCH STUDIES TO HELP FIND A CURE. THAT'S A FRUSTRATING REALITY FOR THOUSANDS OF YOUNG MEN WHO ARE LIVING WITH DUCHENNE (<i>pronounced: doo-SHEN</i>) MUSCULAR DYSTROPHY. BUT AS CLARK POWELL SHOWS US, NEW VIDEO TECHNOLOGY COULD BE A GAME CHANGER FOR MANY OF THESE PATIENTS.
	(Nats - Family in hallway) :02
CG: Courtesy: Nationwide Children's Hospital Shot of family in hallway Coming into exam room Doctor examines Cole's legs	HAVING BATTLED DUCHENNE (<i>pronounced: doo-SHEN</i>) MUSCULAR DYSTROPHY MOST OF HIS LIFE, COLE EICHELBERGER (<i>pronounced: IKE-ul-ber-gur</i>) IS HOPEFUL DOCTORS WILL FIND A CURE. HE'S TRAVELLED THOUSANDS OF MILES TO TAKE PART IN A CLINICAL TRIAL, BUT FOR PATIENTS LIKE COLE, TO QUALIFY FOR CUTTING-EDGE MEDICAL STUDIES, IT'S NOT ABOUT HOW FAR HE'S WILLING TO TRAVEL, BUT HOW LONG HE'S ABLE TO WALK. :17
CG: Linda Lowes, PhD Nationwide Children's Hospital : 17 - :26	"There are a lot of neat clinical trials going on right now that have the potential to really change this disease. But people are not allowed in them who can't walk for six minutes." :09
Shots of Cole standing and playing board game with family	THAT'S THE STANDARD SET BY THE F-D-A. IF DUCHENNE PATIENTS CAN'T WALK AT LEAST 6 MINUTES, THEY CAN'T VOLUNTEER FOR CLINICAL TRIALS. :07
CG:CG: Kim Eichelberger Son has Duchenne MD :33 - :44	"The problem with that is that that excludes a lot of kids. Kids who are no longer ambulatory. Kids who are ambulatory but just can't complete the six-minute walk. Maybe kids who are younger and don't have the attention span." :11

	(Nats - game) :01
<p>Close up of game on screen</p> <p>Wide shot of Cole playing game</p> <p>Shots of therapist at computer</p> <p>Shots from behind Cole as he plays</p>	<p>WHICH IS WHY RESEARCHERS AT NATIONWIDE CHILDREN'S HOSPITAL DEVELOPED THIS. IT'S A VIDEO GAME THAT TRACKS A PATIENT'S <i>UPPER</i> BODY FUNCTIONS - LIKE THEIR REACH, ARM STRENGTH AND STAMINA.</p> <p>THE IDEA IS TO USE IT TO ALLOW MORE KIDS OVER THE AGE OF 12 TO TAKE PART IN MEDICAL RESEARCH - WHO MAY NOT BE ABLE TO WALK VERY WELL - BUT WHO WANT TO SEE IF CUTTING-EDGE TREATMENTS COULD HELP THEM. :20</p>
<p>CG: Lindsay Alfano, PT Nationwide Children's Hospital 1:05 - 1:13</p>	<p>"A majority of the population is over that age and is in a wheelchair. So this would allow-- this would open up clinical trials to the entire population." :08</p>
<p>Shots of Lindsay opening computer</p> <p>Shots of Linda walking in and going over data</p>	<p>AND A NEW STUDY SHOWS THE TECHNOLOGY WORKS. IT CONSISTENTLY AND ACCURATELY CHARTED PATIENTS' UPPER BODY FUNCTIONS.¹</p> <p>INFORMATION EXPERTS HOPE WILL CONVINCED THE F-D-A TO LET MORE PATIENTS WITH DUCHENNE INTO CLINICAL TRIALS - EVEN IF THEY CAN'T WALK VERY WELL. :15</p>
<p>Linda (CG'D earlier)</p>	<p>"Everybody deserves a chance to have a, you know, happy, productive life, but these boys were being excluded. And that's really the majority of the boys in this disease." :07</p>
<p>Shot of Cole wrapping up game</p>	<p>AT NATIONWIDE CHILDREN'S HOSPITAL, THIS IS CLARK POWELL REPORTING. :03</p>
<p>ANCHOR TAG</p>	<p>THOUGH THIS STUDY ONLY TESTED THE GAME IN CHILDREN WITH DUCHENNE MUSCULAR DYSTROPHY, DESIGNERS HOPE TO USE IT TO ASSESS AND ENROLL PATIENTS WITH <i>OTHER</i> CONDITIONS INTO CLINICAL TRIALS.</p> <p>EXPERTS DESIGNED THE GAME TO PLAY IN A VERY COMMON AND INEXPENSIVE CONSOLE, HOPING MORE PLACES AROUND THE COUNTRY COULD EASILY MAKE USE THE SAME SYSTEM.</p>
<p> Share it! Suggested tweet:</p>	<p>Therapists @nationwidekids develop a game to help get more Duchenne patients in clinical trials. Details: bit.ly/1ppuHgP</p>
<p> Suggested post:</p>	<p>Experts at Nationwide Children's Hospital have developed a video game that could help get more patients with Duchenne muscular dystrophy into clinical trials. Currently, the FDA only allows patients to participate in clinical trials if they can walk for at least six minutes. To see how this game could help thousands of patients by changing those rules click here: bit.ly/1ppuHgP</p>
<p>References -</p>	<p>¹<i>Proof of Concept of the Ability of the Kinect to Quantify Upper Extremity Function in Dystrophinopathy</i>, PLOS Currents Muscular Dystrophy, January 2015. Online: http://onlinelibrary.wiley.com/doi/10.1002/mus.24557/abstract</p>

	Extra Bites
<p>CG: Linda Lowes, PhD Nationwide Children’s Hospital</p>	<p><i>Lowes talks about the situation that led to the game’s development -</i> “We had one family that we enrolled, the younger boy in the clinical trial, but his older brother was ineligible. We’ve been following them for years. And we watched the one boy doing very well. And we watched the other, older boy get weaker and weaker and weaker. That’s kind of what set us in motion for trying to find a quantitative measure of arm movement.” :19</p> <p><i>Lowes talks about how medicines might help kids already in wheelchairs -</i> “These medicines might also work on the heart and the lungs. So we think we could really expand the life of these boys. And the quality of life, because they could continue to type, drive their chair, feed themselves, comb their hair, and those are all important activities.” :16</p>
<p>CG: Lindsay Alfano, PT Nationwide Children’s Hospital</p>	<p><i>Alfano talks about the approach to designing the system -</i> “Having something that’s commercially available, low cost, easy to implement was really a huge goal for us.” :06</p> <p><i>Alfano talks about those who are excluded from clinical trials -</i> “A large percentage of the boys that are currently living with Duchenne muscular dystrophy are in a wheelchair. And because it happens so early on in the lifespan, around ten to 12, a majority of the population is over that age and is in a wheelchair. So this would allow-- this would open up clinical trials to the entire population.” :20</p>
<p>CG: Kim Eichelberger Son has Duchenne MD</p>	<p><i>Kim talks about her son’s involvement in the study -</i> “We’ve kind of seen it go from when they very first started thinking about it to now the finished product. So he’s kind of gotten to go along with that process.” :08</p> <p><i>Kim talks about the need to include more kids in clinical trials -</i> “To judge whether or not the drug is effective they see how far he can walk in six minutes, and monitor that over a period of time and the problem with that is that that excludes a lot of kids.” :10</p> <p><i>Kim talks about her son’s future -</i> “He’s done really well in middle school, now. I hope he’s successful in high school. I imagine he’s gonna be able to go to college like any other kid and be, hopefully, with the drug he’s on now, be fairly self-sufficient.” :11</p>
<p>Producers & Reporters:</p>	<p style="text-align: center;">To download scripts, video and photos go to: http://www.multimedianeewsroom.tv</p>

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