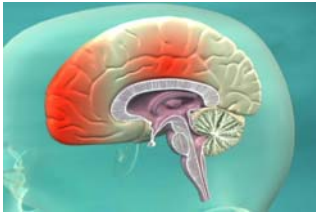



“Science of Addiction” Script

Segment Two

	TIME	SHOT / TITLE	DESCRIPTION
1.	00:00		ANIMATED OPEN
2.	00:12	On camera	<p>NEVES ON CAMERA:</p> <p>HI, I’M ANTONIO NEVES FOR THE.NEWS.</p> <p>WHEN YOU HEAR THE WORDS DRUG OVERDOSE YOU MIGHT THINK OF ILLEGAL DRUGS LIKE COCAINE OR HEROIN. BUT A STUDY BY THE NATIONAL CENTERS FOR DISEASE CONTROL SAYS THE LEADING CAUSE OF LETHAL OVERDOSES IS ABUSE OF PRESCRIPTION PAIN MEDICINES.</p> <p>WHEN TAKEN WITHOUT A DOCTOR'S ORDERS PRESCRIPTION PAIN MEDICINES CAN BE HIGHLY ADDICTIVE.</p>
3.	00:32	On camera	<p>Kyle:</p> <p>The consequences didn’t really matter to me, what... what my biggest fear at that time was how am I going to get high tonight, how am I going to get high tomorrow, you know.</p>
4.	00:41	Voice over Shot Kyle Shot Gabriella	<p>VOICE OVER:</p> <p>KYLE RUMPLE, FROM INDIANAPOLIS, BECAME ADDICTED TO PRESCRIPTION PAIN MEDICINES WHILE ATTENDING HIGH SCHOOL. SO DID GABRIELLA RIZZO IN NEW YORK CITY.</p>
5.	00:48	On camera	<p>Gabriella:</p> <p>I didn’t understand what addiction was, I didn’t even know what it meant, but I guess when I was 19, I figured out like... I couldn’t stop doing drugs. I wanted to stop, and I just didn’t, I couldn’t.</p>
6.	01:01	On camera	<p>NEVES ON CAMERA:</p> <p>DOCTORS TELL US THAT ADDICTION AFFECTS PEOPLE BOTH MENTALLY AND PHYSICALLY. IT’S A CRAVING CAUSED BY THE CHANGES THAT DRUG ABUSE MAKES TO THE BRAIN.</p>

7.	01:09	Jay Geidd at his lab	<p>VOICE OVER:</p> <p>DOCTOR JAY GEIDD STUDIES BRAIN DEVELOPMENT AT THE NATIONAL INSTITUTES OF HEALTH.</p>
8.	01:13	On Camera	<p>Dr. Jay Geidd:</p> <p>What these substances of abuse do is they completely hijack the system.</p>
9.	01:19	Graphic of pills and brain	<p>VOICE OVER:</p> <p>RESEARCHERS LIKE DOCTOR GEIDD BELIEVE TEEN DRUG ABUSE IS ESPECIALLY DANGEROUS BECAUSE THEIR BRAINS ARE STILL DEVELOPING.</p>
10	01:26		<p>VOICE OVER:</p> <p>HERE'S WHAT HAPPENS:</p> <p>FOR THE FIRST COUPLE OF YEARS OF LIFE THE BRAIN GROWS IN SIZE.</p> <p>THEN THE PARTS NEEDED TO CONTROL THINGS LIKE WALKING AND SPEAKING DEVELOP.</p> <p>THE LAST PART TO DEVELOP IS THE PRE-FRONTAL CORTEX. THAT DOESN'T OCCUR UNTIL THE MID 20'S.</p>
11	01:40	On camera	<p>Dr. Jay Geidd: (pointing at monitor)</p> <p>In the front here which matures very late and is responsible for controlling impulses, for long range planning, for judgment and it's the part of the brain that is targeted by the substances of abuse.</p>
12	01:54	Graphic of pills and computer	<p>VOICE OVER:</p> <p>PRESCRIPTION PAIN MEDICINES WHEN USED IMPROPERLY – ACT LIKE COMPUTER VIRUSES. THEY CHANGE, DELETE OR SCRAMBLE THE CODE THE BODY'S COMPUTER – THE BRAIN – USES TO MAKE GOOD CHOICES.</p>

13	02:05	Two Shot in Hallway	VOICE OVER: DOCTOR RALPH LOPEZ SEES THIS WHILE TREATING TEENS AT HIS PRACTICE IN NEW YORK.
14	02:10	On camera	Dr. Lopez: That pain medication which deadens the sensation of thinking properly just makes it harder for the kids to think and solve the problem, and if the problem happens to be something like what do I do in this date situation with this boy or what do I do because I want to drive very fast, it's pretty clear that a disaster can happen very easily
15	02:34		VOICE OVER: GETTING OFF DRUGS IS HARD BECAUSE THEY CHANGE THE CHEMISTRY OF THE BRAIN. HIGH LEVELS OF PRESCRIPTION PAIN MEDICINES SHUT DOWN THE BODY'S ABILITY TO MAKE ENDORPHINS...SOMETHING YOUR BODY NATURALLY MAKES TO FIGHT PAIN.
16	02:46	On camera	Dr. Lopez So if we stop making endorphins, we need a replacement. So the use of the opiates obliterates the need of the brain to make its own because you're getting it from the outside source, you then stop, the brain doesn't have the capacity to turn on and say, "Ok I have to make some more opiates," because we're supposed to make it so you're now feeling crummy.
17	03:09	On camera	Gabriella: I was sweating, I was shaking, I thought I was hearing stuff, my body felt like a truck hit me, I couldn't really walk that much, and my whole body hurt.
18	03:20	Dr. Hart and Antonio	VOICE OVER: DOCTOR CARL HART OF COLUMBIA UNIVERSITY IS AN EXPERT ON DRUG ABUSE AND ADDICTION. HE SAYS WITHDRAWAL FROM DRUGS IS PHYSICALLY VERY HARD.

19	03:29	On Camera	<p>Dr. Carl Hart:</p> <p>...increase sweating, nose running, they may have diarrhea, fever, their temperature will increase, heart rate will increase, they get this thing called Piloerection, where the hair on your skin stands up. So a number of those sort of symptoms, but you feel miserable,</p>
20	03:46	Pictures of pills and alcohol	<p>VOICE OVER:</p> <p>DOCTOR HART ALSO WARNS THAT MIXING HIGH AMOUNTS OF PRESCRIPTION PAIN MEDICINES WITH ALCOHOL OR OTHER DRUGS CAN BE A FATAL MISTAKE.</p>
21	03:55	On camera	<p>Dr. Carl Hart:</p> <p>If you're taking something else, then that... that's just a whole new ball game, now just really increase the likelihood of you potentially getting in trouble with that... with that medication. Say like you don't cause complete respiratory depression and that you survive from taking all of these things, but you may have caused some brain damage.</p>
22	04:17	Montage of pills	<p>VOICE OVER:</p> <p>DOCTORS DON'T KNOW HOW MANY TIMES A PERSON CAN ABUSE DRUGS BEFORE THEY BECOME ADDICTED. SUSCEPTIBILITY IS INHERITED – IT'S IN YOUR GENES.</p>
23	04:24	On camera	<p>Lopez</p> <p>There's a difference in the brain of somebody who has an addictive genetics than the other individual since you may not know which one you are. You're running the risk of lighting a fire... lighting a match in a gasoline factory to see where you are, you could explode.</p>

24	04:40 04:46 04:49	Pictures of students with blur effect Pictures of pills in hand Pictures of Gabriella, Hayley, Dr. Volkow, Dr. Hart, Kyle and Tim	<p>VOICE OVER:</p> <p>DESPITE THE DANGERS, STUDIES SHOW ONE IN THREE TEENS STILL BELIEVE THAT THERE IS NOTHING WRONG WITH TAKING MEDICINES ONCE AND A WHILE WITHOUT A PRESCRIPTION. THE RECOVERING ADDICTS AND EXPERTS WE TALKED WITH SAY THAT THIS IS JUST WRONG. THEY TELL US EVEN ONE USE CAN START YOU ON THE PATH TO ADDICTION AND ROB YOU OF YEARS OF YOUR LIFE.</p>
25	04:59	On Camera	<p>Kyle:</p> <p>Drugs and alcohol took everything away from me... I mean everything... and I'm talking much more than just the physical aspect of it, you know, of course it took my freedom away. I've been in quite a few institutions but for me it was much more than that, it was a prison of the mind, and you know I just find it so ironic because throughout that I always told people, you know... you're not going to tell me what to do, you know, I don't have to listen to you, this and that and this... but I listened to my disease everyday... you know, my addiction would tell me to do things that I didn't want to do that I would do, you know.</p>
26	05:33	Kyle	<p>NEVES VOICE OVER:</p> <p>I'M ANTONIO NEVES FOR THE DOT NEWS.</p>

If you wish to stop the video at any time, refer to the running time listed on the printed script. Each segment begins at 00:00 and the time is displayed in the lower corner of your video player.