AFFIDA'	VIT	SAMPLE NO.
STATE OF Minnesota	COUNTY OF Hennepin	
Before me, Sharon L. Matson, CSO Services, Food and Drug Administration, designated at Large 803; Reorganization Plan No. IV, Secs. 12-l effective April 11, 1953; and P.L. 96-88, Sec. 509, 93 or take oaths, affirmations, and affidavits, personal the county and state aforesaid, who, being duly swort	, an employee of by the Secretary, under authority of the 5, effective June 30, 1940; Reorganizati 3 Statutes at Large 965 (20 U.S.C. 3508) lly appeared Nalini M. Rajamann	ion Plan No. 1 of 1953, Secs. 1-9, effective May 4, 1980; to administer
I am the Medical Director at Most Sacre 8th Street, Sheboygan, WI 53081, 920-4 University, Chicago, IL from 2000 to 20	51-4611; and, was an Associat	te Professor at Northwestern
On 12/10/2018 I came to the U.S. FDA 1 #600, Minneapolis, MN 55401 to report research conditions. I was accompanied we were stopped. I subsequently sent at MIN-DO regarding "Reporting an Adve Consumer Complaint Coordinator for M following written statements to her.	a patient death related to a hear by the son of the patient and I n email to Michael Dutcher, D' rse event today". I was contact	art valve implanted under local news representatives, and VM and District Director of cted by Sheila vanTwuyver,
On 12/11/2018 I provided the following	information in an email to Ms	s. vanTwuyver:
"URGENT: IMMEDIATE ATTENTIO	N FOR FDA INSPECTORS!	
December 11, 2018	·	
Dear Sheila Thank you for your prompt response.		
The Knotts family suffered the worst lo father and grandfather secondary to the 2014.	ss on Thanksgiving Day, the d failed heart surgery of a mitral	leath of their beloved husband, I valve repair on September 25,
William Knotts received a 34 mm physical Dr. Patrick McCarthy. After surgery, the exertion and at rest for the next three and continued symptoms.	e Mr. Knotts never felt well. H d a half years, and never recei	He was short of breath with we was short of breath with was short to why he had
AFFIANT'S SIGNATURE AND WILE	of A. Garan	-d William Taxa
AFFIANT'S SIGNATURE AND HTLE  Moit Sound Much FIRM'S NAME AND ADDRESS (Include, ZIP Code)  703 N	ebuggh, WE 53081	is and villam program
Subscribed and sworn to before me at Minne	apolis, MN	,
this 19th day of December	, 20 18 . (Gity and Sta	Matriployee's Signature)
Employee of the Department of Health and Human June 30, 1940; Reorganization Plan No. 1 of 1953, e	Services designated under Act of January offective April 11, 1953; and P.L. 96-88,	y 31, 1925, Reorganization Plan IV effective effective May 4, 1980.

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STATE OF Minnesota	COUNTY OF Hennepin	
Before me, Sharon L. Matson, CSO Services, Food and Drug Administration, designated by at Large 803; Reorganization Plan No. IV, Secs. 12-15, effective April 11, 1953; and P.L. 96-88, Sec. 509, 93 S or take oaths, affirmations, and affidavits, personally the county and state aforesaid, who, being duly sworn, or	, an employee of the De the Secretary, under authority of the Act of effective June 30, 1940; Reorganization Plat tatutes at Large 965 (20 U.S.C. 3508) effective appeared Nalini M. Rajamannan, M.	n No. 1 of 1953, Secs. 1-9, ive May 4, 1980, to administer
When Mr. Knotts left the operating room of McCarthy. See Attached operative note. Wacross the mitral valve of 12 mm Hg. Norm	hen he left the operating room, N	Ir. Knotts had a gradient
This gradient was measured and confirmed Mayo Clinic and also during the heart surg	d at various institutions including gery at Northwestern Memorial H	University of Chicago, the ospital.
After years of shortness of breath, Mr. Knorecommended that he get several opinions surgery. After consultations with several so Oaklawn, IL to have a second surgery to re-	regarding the severe mitral steno urgeons, Mr. Knotts chose to go t	sis resulting from the first
The second surgery occurred on June 1, 20 episodes of cardiac arrest. He then was in rehab in November 2018, and then died in secondary to a bleed into his brain on Nov	the hospital for 174 days and tran the intensive care unit at Northw	sferred to Shirley Ryan
On November 24, 2018, I informed North general counsel, the board of trustees etc. protocol performed during the September to be a terminated Northwestern FDA IRE August 8, 2008.	of the death of the patient as Mr. 25, 2014 surgery. A protocol whi	Knotts had an experimental ch was recently discovered
Upon review of Mr. Knotts operative recomeasure the patient's mitral valve leaflet submitted to the United States Senate Cor	using a caliper 1155 as outlined in	d undergone a technique to the attached memo
The company Edwards Lifesciences had on the anterior (front) and posterior (back) least A2,A3 and P1,P2,P3.	flets of the mitral valve. The spec	ments of the three scallops of ific measurements are A1,
AFFIANT'S SIGNATURE AND TITLE ML M	Briz Mn	
FIRM'S NAME AND ADDRESS (Include ZIP Code) カル・シナー で フッシ	mus der it fin	(colo ad Viber 500 sur 5308)
Minnean	olie MN	
this 19th day of December	, 20 18 (City and State) (Employee'	Matss Signature)
Employee of the Department of Health and Human Ser June 30, 1940; Reorganization Plan No. 1 of 1953, effe	rvices designated under Act of January 31, 1 ective April 11, 1953; and P.L. 96-88, effecti	925, Reorganization Plan IV effective ve May 4, 1980.

AF	FIDAVIT	SAMPLE NO.
STATE OF Minnesota	GOUNTY OF Hennepin	
Before me, Sharon L. Matson, CSO Services, Food and Drug Administration, of at Large 803: Reorganization Plan No. IV.	, an emp designated by the Secretary, under authori Secs. 12-15, effective June 30, 1940; Reo ec. 509, 93 Statutes at Large 965 (20 U.S. , personally appeared Nalini M. R	loyec of the Department of Health and Human ty of the Act of January 31, 1925, 43 Statutes rganization Plan No. 1 of 1953, Secs. 1-9, C. 3508) effective May 4, 1980; to administer tajamannan, MD in
These measurements were specification, March 2014, which Dr. Moclinical trial to repair myxomator publication of July 2008.	cCarthy had developed to meas	hed to the Senate Judiciary Committee ure the valve during a prospective l valve prolapse, see attached
participation in May 2007. At this	is time, I learned of the first vic	eport, see attached, but removed my tim, Ms. Vlahoulis, who needed a onsent to be in the prospective trial.
and the Dean's office. The University 2007, and asked the surgeon Dr. included prospective study on the measurements. Since Dr. McCar study, see attached record, and n	ersity's IRB coordinator Ms. Os McCarthy to cease and desist the e patients testing of the model of thy chose to terminate the not submit the proper paperwork	RB, Northwestern Memorial Hospital, safo, reviewed the protocol in May he protocol 1532-004. The protocol 5100 ring and the use of the 1155 caliper to follow the FDA IRB regulatory the measurement technique cited under
Dr. McCarthy instead of comply measurements on several patient not year 2018, which included h	ts at least until year 2014 as rec	rder, he continued to perform the caliper orded in Mr. Knotts operative report, if ients.
surgery, who have consulted in a attacks and reoperations, and all damage sustained during the sur	my practice in Chicago and in V of them have also needed pace gery.	ects from the failed mitral valve repair Wisconsin. These patients have had heart makers and defibrillators etc from the
Now that the Knotts' 2014, oper measurements after the University	ative record proves that Dr. Mo ity IRB coordinator issued the o	Carthy continued to perform the caliper cease and desist on June 28, 2007, and
AFFIANT'S SIGNATURE AND TITLE  M.L. M. M.	mo mo	
FIRM'S NAME AND ADDRESS (Include ZIP Co M H F	Sweet for st Stalling	n lady not vile ton
Subscribed and sworn to before me a	at Willneapons, will	,
this 19th day of Decem	ther - 18	Show (Mater
Fundamental Physics Physics	d Human Services designated under Act of	(Employee's Signature) of January 31, 1925, Reorganization Plan IV effective
Employee of the Department of Health an June 30, 1940; Reorganization Plan No. 1	of 1953, effective April 11, 1953; and P.I	L. 96-88, effective May 4, 1980.

			SAMPLE NO.	
AFFIDAVI	Т			
ATE OF	COUNTY OF			
innesota	Hennepin	efthe De	partment of Health and I	-Tuman
Sefore me, Sharon L. Matson, CSO Services, Food and Drug Administration, designated by at Large 803; Reorganization Plan No. IV, Secs. 12-15, effective April 11, 1953; and P.L. 96-88, Sec. 509, 93 Sor take oaths, affirmations, and affidavits, personally	y the Secretary, under author, effective June 30, 1940; R Statutes at Large 965 (20 U y appeared Nalini M	ority of the Act of	January 31, 1925, 45 56	-9,
the county and state aforesaid, who, being duty sworm. Mr. Knotts who has now died. The FDA rowledge Vlahoulis, Edwards, Warshawsky, Obermattacks, since the initial study of March 20 sizing technique, closed by Osafo on June clinical study which began in March 2006.	must take immediate neier, who have suffe 006. All of whom all 28, 2007 for not refe.	so received the porting the pr	e experimental cal ospective nature of nated experimental	the faliper
Edwards Lifesciences published Direction and failing to follow Northwestern	ons for Use for annul n University FDA IF	loplasty rings, RB cease and	which are attache desist order.	d in this
The immediate action by the FDA shoul 2) place a hold on all of Dr. McCarthy's repair records which placed patients at r place cease and desist order on all IRB the regulatory pathway as outlined by N Lifesciences and has caused deaths as re 2018.	d be to 1) place a ho past, current and fur isk for stenosis, hear research protocols for forthwestern Univers	old on the term ture surgeries at attacks, reop or Dr. McCart sity, the FDA	ninated protocol 15, 3) review all mits perations and deatlery, who has failed	to follow
https://www.fda.gov/ScienceResearch/Sucm369514.htm				
Steven Knotts a resident of MN whose protocol which Edwards Lifesciences rannuloplasty rings, and myself a native with an affiliation of all of my graduat experience at the Mayo Clinic and Normeet with you this week at the FDA in	e Minnesotan and Ace school training at t	djunct physici the Mayo Clir ty, can	an scientist at the lic since 1985, and	Mayo Clinic,
meet with you and	instant by IRR	coordinator (	Osafo in May 2007	, because Dr
The evidence is clear, the protocol wa	s terminated by IKD			
The evidence is clear, the protocol was AFFIANT'S SIGNATURE AND TITLE  FIRM'S NAME AND ADDRESS (Include ZIP Code)  Min	2 Sus of 103 N 8 M 0	for 52	3 NI BU	N In
to before me at		With and Chat	2	
this 19th day of December	, 20	Shum	1 Mater	
Employee of the Department of Health and Hum June 30, 1940; Reorganization Plan No. 1 of 195	an Services designated und	1 A at of lanuary	loyee's Signature) 31, 1925, Reorganizatio Iffective May 4, 1980.	on Plan IV effectiv
June 30, 1940; Reorganization Plan No. 1 of 193	o, oncoure ripric any	PSC Graphics (301		Page 4

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TATE OF Minnesota	COUNTY OF Hennepin	
Before me, Sharon L. Matson, CSO Services, Food and Drug Administration, designated at Large 803; Reorganization Plan No. IV, Secs. 12-effective April 11, 1953; and P.L. 96-88, Sec. 509, 9 or take oaths, affirmations, and affidavits, persona the county and state aforesaid, who, being duly swort	d by the Secretary, under authority of the Act of 15, effective June 30, 1940; Reorganization Plan 3 Statutes at Large 965 (20 U.S.C. 3508) effecti Illy appeared Nalini M. Rajamannan, M	n No. 1 of 1953, Secs. 1-9, ive May 4, 1980; to administer
McCarthy failed to identify the prospect injured with a recent death as reported to and there may be thousands of patients they were experimented on with the cali should have received the confirmed FD for the Edwards Lifesciences Sizing instances.	o the University on November 24, 29, 20, 24, 20, 24, 20, 24, 25, 26, 27, 27, 28, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29	018, and now to the FDA, ince 2006, who never knew
Thank you again for your prompt responsively protocol 1532-004 experimental sizing to r succumbing to death from the failed to	measurements to protect future patie	nmediate hold on the ents from being injured and
Nalini Marie Rajamannan, MD, FACC Most Sacred Heart of Jesus Cardiology Corvita Science Foundation Mayo Clinic Department of Biochemist		
On 12/12/2018 at 11:40 AM I provided vanTwuyver, copied to several individuand U.S. House of Representatives:	the following additional informationals including representatives at Kard	n in an email to Ms. e 11 news, the U.S. Senate,
"Dear Sheila		
One quick clarification, all of the victin McCarthy.	ns thought they were receiving the s	tandard of care from Dr
They were told they would get FDA cleuse.	eared annuloplasty rings with the FD	OA approved directions for
All of the victims listed including Mr K 1532-004 protocol, which Northwester	Country father got the measurements on IRB terminated officially on June	outlined in the 2006 28, 2007.
AFFIANT'S SIGNATURE AND TITLE    L M	mo	
FIRM'S NAME AND ADDRESS (Include ZIP Code)  Mark Subscribed and arrows to before most Minne	my of for live	3 of vola Time
Subscribed and sworn to before me at	(City and State)	· · · · · · · · · · · · · · · · · · ·
this 19th day of December		1 10000
Employee of the Department of Health and Human	(Employee's Services designated under Act of January 31, 19	925, Reorganization Plan IV effective
June 30, 1940; Reorganization Plan No. 1 of 1953,	effective April 11, 1953; and P.L. 96-88, effective	ve May 4, 1980.

FORM FDA 463a (5/07)

AFFIDAVIT		SAMPLE NO.
STATE OF Minnesota	COUNTY OF Hennepin	
Before me, Sharon L. Matson, CSO Services, Food and Drug Administration, designated by at Large 803; Reorganization Plan No. IV, Secs. 12-15, effective April 11, 1953; and P.L. 96-88, Sec. 509, 93 St or take oaths, affirmations, and affidavits, personally the county and state aforesaid, who, being duly sworn, d	, an employee of the the Secretary, under authority of the A effective June 30, 1940; Reorganization atutes at Large 965 (20 U.S.C. 3508) employee Nalini M. Rajamanna	n Plan No. 1 of 1953, Secs. 1-9, ffective May 4, 1980; to administer
The failure to follow the Edward's Lifescie	nces DFU is the cause of Mr	Knotts death.
We are available to meet at your office to r	eview the evidence.	
Nalini Rajamannan, MD"		
Later on 12/12/2018, at 7:17 PM I provided van Twuyver:	d the following additional inf	formation in an email to Ms.
"Dear Sheila		
Please convey to the investigators, that the Lifesciences and the FDA 510k clearance Lifesciences.	caliper measurements were r for the annuloplasty rings ma	never approved by Edwards nufactured by Edwards
I am attaching the directions for use for the	e model 5100.	
The caliper measurements were part of the terminated back on June 28, 2007.	experimental protocol North	western University had
Any patient who underwent mitral valve s the correct operative technique would be tattached documents.	urgery and the surgeon used to use the standard sizer which	the Edwards Lifesciences rings, in is listed in the DFU on the
I have 5 patients who have been injured, a and who underwent a mitral valve surgery	nd one who died. There is an by the surgeon from Northw	other patient who recently died, estern University.
Nalini"		
AFFIANT'S SIGNATURE AND TITLE	in O	
FIRM'S NAME AND ADDRESS (Include ZIP Code)  Mult Sund Sund Sund Sund Sund Sund Sund Sund	n sm fr st Cogt	I at 5308
Subscribed and sworn to before me at Minneapo	lis, MN	,
this 19th day of December	, 20_18 . Sity and State	Mata ovee's Signature)

Employee of the Department of Health and Human Services designated under Act of January 31, 1925, Reorganization Plan IV effective June 30, 1940; Reorganization Plan No. 1 of 1953, effective April 11, 1953; and P.L. 96-88, effective May 4, 1980.

AFFIDA	VIT	SAMPLE NO.	
STATE OF	COUNTY OF		
Minnesota  Before me, Sharon L. Matson, CSO  Services, Food and Drug Administration, designated at Large 803; Reorganization Plan No. IV, Secs. 12-effective April 11, 1953; and P.L. 96-88, Sec. 509, 9 or take oaths, affirmations, and affidavits, personal the second state of the second	t by the Secretary, unde 15, effective June 30, 19 3 Statutes at Large 965 lly appeared Nal	940; Reorganization Plan No. 1 of 1953,	5, 43 Statutes Secs. 1-9,
the county and state aforesaid, who, being duly sword I attached the following documents to the device model 5100 directions for use, to Techniques", dated 2007 (14 pages); and Trademark information for the Myxo Edwards Lifesciences Corporation, One	at email: itled "Edwards M d, itlogix device, sho Edwards Way, Ir	wing Registration Date Jan. 5, vine, CA 92614.	2008 owned by
On 12/19/2018 I met with the FDA Bion Eric Pittman and Consumer Safety Offic my concerns, documents, and to request Minneapolis, MN, son of the deceased patient Maureen Obermeier; and, Brian	cer Sharon Matson t follow-up by FD patient Bill Knotts	n at MIN-DO to provide addition A. I was accompanied by Stev or; Chess Obermeier, California,	onal details of e Knotts,
I believe Dr. McCarthy continued his primitral valve caliper measuring tool after use of the calipers instead of the standar serious adverse events for patients incluand is continuing in these procedures we McCarthy has conducted without gettin being a Batista study, Atricure, Edward calipers Model 1155.	r he was told to st rd sizing device le iding death; and, l ith other patients. g patient informe	op by his reviewing IRB on 6/2 of to mis-sizing of mitral rings am extremely concerned that I This is also the 4th clinical trid consent, that I'm aware of, wi	28/2007; that the which has led to he continued al Dr. http://districts.com/
I identified and provided copies of the creviewed this affidavit and affirm it is t	documents to FDA rue and accurate.	A as described in this statement	. I have
•	çı	m/mn v	·
AFFIANT'S SIGNATURE AND TITLE		17	
FIRM'S NAME AND ADDRESS (Include ZIP Code)  Must Survey	V 8th St	Ju Comer and of 5300	Vin Psh
Subscribed and sworn to before me at Minne this 19th day of December	, 20 18 .	(City and State)  Muta (Employee's Signature)	
Employee of the Department of Health and Human June 30, 1940; Reorganization Plan No. 1 of 1953,	Services designated un effective April 11, 1953	3; and P.L. 96-88, effective May 4, 1980.	
FORM FDA 463a (5/07)	-	PSC Graphics (304) 443-1090 EF	Page 7 of 8

AFF	AFFIDAVIT	
TATE OF Minnesota	COUNTY OF Hennepin	
at Large 803; Reorganization Plan No. IV, Sec	gnated by the Secretary, under aut es. 12-15, effective June 30, 1940; 509, 93 Statutes at Large 965 (20 the ersonally appeared Nalini M	employee of the Department of Health and Human hority of the Act of January 31, 1925, 43 Statutes Reorganization Plan No. 1 of 1953, Secs. 1-9, U.S.C. 3508) effective May 4, 1980; to administer M. Rajamannan, MD in
		g con man
FIANT'S SIGNATURE AND TITLE	·	
Mh M Don RM'S NAME AND ADDRESS (Include ZIP Code) Mrs t Some YUS N	m m for for sh sh sh	Coop and Value fortion WE 53081
ibscribed and sworn to before me at		(City and State)
		(Employee 's Signature)