1
00:00:00,600 --> 00:00:09,370
[Music]

2
00:00:15,500 --> 00:00:11,420
we're gonna do a little bit about her

3
00:00:17,480 --> 00:00:15,510
nieces recognizing the hormesis is a

4
00:00:19,960 --> 00:00:17,490
stimulatory effect of a low dose of the

5
00:00:22,490 --> 00:00:19,970
substance that is toxic at a higher dose

6
00:00:25,300 --> 00:00:22,500
just sounds a little bit contradictory

7
00:00:27,710 --> 00:00:25,310
but we'll see that it is contradictory

8
00:00:30,140 --> 00:00:27,720
oftentimes the hormetic effect is

9
00:00:33,100 --> 00:00:30,150
described as giving a u-shaped or J

10
00:00:36,410 --> 00:00:33,110
shaped curve where if you look at the

11
00:00:41,440 --> 00:00:36,420
these couple graphs will see that at low

12
00:00:43,790 --> 00:00:41,450
dose a particular molecule might give a

13
00:00:45,920 --> 00:00:43,800

stimulatory effect and a higher dose an

14
00:00:48,229 --> 00:00:45,930
inhibitory or if we look at the opposite

15
00:00:49,970 --> 00:00:48,239
side we see a low dose decrease as

16
00:00:54,709 --> 00:00:49,980
negative effects a high dose induces the

17
00:00:57,470 --> 00:00:54,719
negative effects back in 1972 an

18
00:01:00,619 --> 00:00:57,480
allergist in Mobile Alabama wrote a

19
00:01:03,560 --> 00:01:00,629
paper in the journal of medicine for

20
00:01:06,350 --> 00:01:03,570
Alabama reporting a very rapid relief of

21
00:01:10,370 --> 00:01:06,360
flu symptoms by using the flu vaccine

22
00:01:13,550 --> 00:01:10,380
itself in a sub vaccine dose he did this

23
00:01:16,430 --> 00:01:13,560
by intradermal injection of the of the

24
00:01:18,350 --> 00:01:16,440
flu vaccine and reported a decrease in

25
00:01:21,730 --> 00:01:18,360
symptoms within five to six minutes

26
00:01:24,280 --> 00:01:21,740
after the introduction of the vaccine in

27
00:01:27,679 --> 00:01:24,290
1979 he published another little paper

28
00:01:30,200 --> 00:01:27,689
saying that the same sort of sub vaccine

29
00:01:32,240 --> 00:01:30,210
dose of the flu vaccine also worked on

30
00:01:36,980 --> 00:01:32,250
herpes infections with people that had

31
00:01:40,760 --> 00:01:36,990
act of violence in his reports dr.

32
00:01:43,340 --> 00:01:40,770
Miller noted a couple things one is he

33
00:01:45,289 --> 00:01:43,350
was insistent on using the current

34
00:01:48,280 --> 00:01:45,299
year's vaccine for treating the current

35
00:01:50,780 --> 00:01:48,290
year's disease where their flu or herpes

36
00:01:53,510 --> 00:01:50,790
however is a bit of a contradiction to

37
00:01:55,850 --> 00:01:53,520
that he had the impression that some

38
00:01:58,039 --> 00:01:55,860

vaccines some years vaccines were a

39
00:01:59,780 --> 00:01:58,049
little more potent than others so he

40
00:02:01,670 --> 00:01:59,790
would keep those in reserve in case he

41
00:02:05,380 --> 00:02:01,680
had a recalcitrant patient that didn't

42
00:02:12,500 --> 00:02:08,930
also of interest is that he reported no

43
00:02:14,720 --> 00:02:12,510
success in using this flu vaccine for

44
00:02:19,580 --> 00:02:14,730
treating any kind and the other kind of

45
00:02:21,440 --> 00:02:19,590
viral infection so two years later dr.

46
00:02:22,910 --> 00:02:21,450
Miller invited me to come down and see

47
00:02:24,560 --> 00:02:22,920
his practice for if

48
00:02:26,540 --> 00:02:24,570
interview some of the patients reviewers

49
00:02:28,700 --> 00:02:26,550
data make some procedure or observe his

50
00:02:32,170 --> 00:02:28,710
procedures and I came away with a few

51
00:02:35,150 --> 00:02:32,180
questions that he wasn't able to answer

52
00:02:37,370 --> 00:02:35,160
first one the obvious one and making the

53
00:02:38,900 --> 00:02:37,380
assumption which is by the way valid his

54
00:02:41,090 --> 00:02:38,910
observations were valid that he was

55
00:02:43,630 --> 00:02:41,100
seeing these rapid responses in these

56
00:02:47,540 --> 00:02:43,640
patients with hurt with herpes or flu

57
00:02:50,930 --> 00:02:47,550
infections why only those two families

58
00:02:52,730 --> 00:02:50,940
of virus has responded and what's the

59
00:02:55,580 --> 00:02:52,740
common denominator between those two

60
00:02:57,710 --> 00:02:55,590
they are quite unlike one another in the

61
00:03:00,890 --> 00:02:57,720
sense that herpes viruses are

62
00:03:03,260 --> 00:03:00,900
double-stranded DNA the influenza

63
00:03:06,350 --> 00:03:03,270

viruses are single-stranded RNA of

64
00:03:07,910 --> 00:03:06,360
course the the influenza is pretty much

65
00:03:10,520 --> 00:03:07,920
restricted to the respiratory tract

66
00:03:12,020 --> 00:03:10,530
herpes goes here there and everywhere so

67
00:03:15,050 --> 00:03:12,030
what kind of common denominator do we

68
00:03:17,600 --> 00:03:15,060
have and what in the vaccine is doing

69
00:03:25,280 --> 00:03:17,610
the work that was really the fundamental

70
00:03:29,750 --> 00:03:25,290
question for me the kind of a sub-theme

71
00:03:31,760 --> 00:03:29,760
was why why is he insistent on this

72
00:03:34,220 --> 00:03:31,770
year-to-year difference in the potency

73
00:03:36,830 --> 00:03:34,230
of respective of the respective

74
00:03:38,540 --> 00:03:36,840
influenza vaccines we went back to our

75
00:03:40,610 --> 00:03:38,550
labs in New York and in Providence Rhode

76
00:03:43,490 --> 00:03:40,620
Island did some collaborative work with

77
00:03:45,350 --> 00:03:43,500
people at the City of Hope and what we

78
00:03:48,200 --> 00:03:45,360
did was tear apart the viruses that are

79
00:03:52,760 --> 00:03:48,210
in the flu vaccine we looked at the RNA

80
00:03:55,130 --> 00:03:52,770
core the various Koch proteins we looked

81
00:03:56,750 --> 00:03:55,140
at the hmm you'll remember that h1n1

82
00:03:58,640 --> 00:03:56,760
just ants for hemagglutinin and

83
00:04:00,890 --> 00:03:58,650
neuraminidase that's the H and the N and

84
00:04:04,040 --> 00:04:00,900
different years vaccines have different

85
00:04:06,080 --> 00:04:04,050
ages and ends and we looked at these

86
00:04:08,420 --> 00:04:06,090
various components of the viruses that

87
00:04:11,870 --> 00:04:08,430
were in the vaccines and found that

88
00:04:15,260 --> 00:04:11,880

really when we evaluated them both in

89
00:04:17,990 --> 00:04:15,270
vivo and in vitro nothing happened that

90
00:04:22,190 --> 00:04:18,000
they didn't do anything at all so that

91
00:04:25,880 --> 00:04:22,200
brings us back to the question of why

92
00:04:30,320 --> 00:04:25,890
would one year's flu vaccine work on

93
00:04:31,969 --> 00:04:30,330
another year's cases you'll recall that

94
00:04:34,610 --> 00:04:31,979
dr. Miller kept some of their really hot

95
00:04:36,090 --> 00:04:34,620
stuff for recalcitrant credit cases and

96
00:04:38,730 --> 00:04:36,100
yet we know that he

97
00:04:41,090 --> 00:04:38,740
flu vaccine is different than every

98
00:04:43,770 --> 00:04:41,100
other years in anticipation of whatever

99
00:04:47,250 --> 00:04:43,780
strain of Luis not to be going to cause

100
00:04:50,880 --> 00:04:47,260
the problem that year what's common to

101
00:04:54,960 --> 00:04:50,890
each year's vaccine the preservative is

102
00:04:56,940 --> 00:04:54,970
the answer it had nothing to do with the

103
00:04:59,130 --> 00:04:56,950
act what we thought was the active agent

104
00:05:03,270 --> 00:04:59,140
it was instead of the preservative which

105
00:05:05,190 --> 00:05:03,280
is by Marisol now hi Marisol you know

106
00:05:08,010 --> 00:05:05,200
has a bit of a clouded history recently

107
00:05:10,140 --> 00:05:08,020
if that's the formula for it there and

108
00:05:12,360 --> 00:05:10,150
you can see in each G in there that's a

109
00:05:14,880 --> 00:05:12,370
mercury containing preservative it was

110
00:05:17,220 --> 00:05:14,890
used in vaccines for years and years we

111
00:05:19,950 --> 00:05:17,230
just abbreviate t ml because it's easier

112
00:05:22,560 --> 00:05:19,960
to say it's a very well studied toxin

113
00:05:24,680 --> 00:05:22,570

it's a potent antimicrobial and

114
00:05:27,870 --> 00:05:24,690
antifungal agent we know it's used

115
00:05:31,020 --> 00:05:27,880
mercurochrome or thiolate and it's a

116
00:05:33,270 --> 00:05:31,030
classic example in our hands of hormesis

117
00:05:36,150 --> 00:05:33,280
or in hormesis exhibiting molecule

118
00:05:38,310 --> 00:05:36,160
because in low doses we see a very

119
00:05:43,010 --> 00:05:38,320
positive response with respect to some

120
00:05:46,800 --> 00:05:45,090
it's not hard to figure out what the

121
00:05:49,110 --> 00:05:46,810
concentration of thimerosal is in the

122
00:05:52,170 --> 00:05:49,120
vaccines it's about 50 milligrams per

123
00:05:55,770 --> 00:05:52,180
dose we found a universal dose of time

124
00:05:58,560 --> 00:05:55,780
aerosol to be about 250 times less

125
00:06:01,080 --> 00:05:58,570
concentrated the key here other than

126
00:06:04,110 --> 00:06:01,090
concentration is that term Universal

127
00:06:07,710 --> 00:06:04,120
dose because this is a classic Universal

128
00:06:10,320 --> 00:06:07,720
dose what that means is the dose is

129
00:06:12,600 --> 00:06:10,330
constant for every patient regardless of

130
00:06:15,210 --> 00:06:12,610
mass of the patient the patient's age

131
00:06:19,500 --> 00:06:15,220
their gender the degree of affliction

132
00:06:22,200 --> 00:06:19,510
and even what species they are here's an

133
00:06:25,950 --> 00:06:22,210
idea of where we used a universal dose

134
00:06:28,170 --> 00:06:25,960
in all of these the first one the cows

135
00:06:31,070 --> 00:06:28,180
get herpes infections malignant

136
00:06:33,930 --> 00:06:31,080
catarrhal fever is a almost universal

137
00:06:37,110 --> 00:06:33,940
universally fatal disease in cattle

138
00:06:38,910 --> 00:06:37,120

that's transmitted from sheep to cows we

139
00:06:40,710 --> 00:06:38,920
did the work here at Colorado State at

140
00:06:42,900 --> 00:06:40,720
the veterinary school there and showed

141
00:06:44,790 --> 00:06:42,910
that we could reverse that disease

142
00:06:46,469 --> 00:06:44,800
Nia mellitus another infection of Kyle's

143
00:06:48,600 --> 00:06:46,479
run down through these real quickly but

144
00:06:50,100 --> 00:06:48,610
the point is whether cheek wine herpes

145
00:06:52,230 --> 00:06:50,110
or the carrot

146
00:06:54,059 --> 00:06:52,240
Titus and cats which is an eye infection

147
00:06:56,070 --> 00:06:54,069
rabbit pox looks like it ought to be a

148
00:06:58,800 --> 00:06:56,080
pox virus but it's really our herpes and

149
00:07:00,029 --> 00:06:58,810
all these human herpes infections

150
00:07:02,580 --> 00:07:00,039
simplex one and two

151
00:07:05,490 --> 00:07:02,590
Epstein bar virus is a causative agent

152
00:07:06,689 --> 00:07:05,500
for infectious mononucleosis and some

153
00:07:08,300 --> 00:07:06,699
people report that it might be

154
00:07:11,219 --> 00:07:08,310
associated with some kinds of cancers

155
00:07:15,390 --> 00:07:11,229
again going back to dr. Bauer's

156
00:07:17,159 --> 00:07:15,400
presentation CMV cytomegalovirus there

157
00:07:18,330 --> 00:07:17,169
are more and more epidemiological

158
00:07:20,879 --> 00:07:18,340
information to show that that's a

159
00:07:23,219 --> 00:07:20,889
causative agent for hypertension and for

160
00:07:25,800 --> 00:07:23,229
some cardiovascular diseases and about

161
00:07:28,409 --> 00:07:25,810
98 percent of this population our US

162
00:07:31,279 --> 00:07:28,419
population has that virus herpes zoster

163
00:07:33,809 --> 00:07:31,289

causes chicken pox and shingles and

164
00:07:36,300 --> 00:07:33,819
herpes also is responsible for many

165
00:07:39,209 --> 00:07:36,310
cases of Bell's palsy the point of this

166
00:07:42,180 --> 00:07:39,219
slide is that the same dose is used

167
00:07:45,330 --> 00:07:42,190
whether it's on a 2,000 pound cow a six

168
00:07:48,330 --> 00:07:45,340
pound cat or a 150 pound human it's the

169
00:07:50,850 --> 00:07:48,340
same dose same response time same effect

170
00:07:53,100 --> 00:07:50,860
and it's also true for all the

171
00:07:55,769 --> 00:07:53,110
influences but only interestingly enough

172
00:07:58,709 --> 00:07:55,779
for the true flus the true flu they're

173
00:08:01,680 --> 00:07:58,719
called influenza A and B these are the

174
00:08:05,670 --> 00:08:01,690
ones that give the nasty flu symptoms

175
00:08:06,689 --> 00:08:05,680
the muscle weakness the lethargy the

176
00:08:11,279 --> 00:08:06,699
stuff that's going to knock you out for

177
00:08:13,800 --> 00:08:11,289
seven to ten days in the para flus which

178
00:08:16,589 --> 00:08:13,810
are the 24-hour flus the thimerosal has

179
00:08:20,700 --> 00:08:16,599
no effect at all so that's kind of an

180
00:08:23,070 --> 00:08:20,710
interesting twist to things also so we

181
00:08:27,180 --> 00:08:23,080
wanted to know what's happening how is

182
00:08:29,579 --> 00:08:27,190
the tml working and we've done some some

183
00:08:32,939 --> 00:08:29,589
genetics or genomics work in our own lab

184
00:08:34,350 --> 00:08:32,949
and we found and I know nobody wants to

185
00:08:35,939 --> 00:08:34,360
keep track of these different genes but

186
00:08:37,829 --> 00:08:35,949
just to let you know that we have

187
00:08:42,659 --> 00:08:37,839
Albrecht up regulation of some genes

188
00:08:47,250 --> 00:08:42,669

like the eye f-16c cl5 these are potent

189
00:08:49,680 --> 00:08:47,260
anti-inflammatory or related genes we

190
00:08:52,740 --> 00:08:49,690
have down-regulation of interleukins 1b

191
00:08:56,490 --> 00:08:52,750
and 6 to medicos factor alpha interferon

192
00:08:58,319 --> 00:08:56,500
gamma those are pro-inflammatory so if

193
00:09:00,180 --> 00:08:58,329
they're down regulated there's less of

194
00:09:03,010 --> 00:09:00,190
an inflammatory response and

195
00:09:05,410 --> 00:09:03,020
interestingly enough when we deliver

196
00:09:08,080 --> 00:09:05,420
just I'm aerosol in the universal dose

197
00:09:10,300 --> 00:09:08,090
to a person that has a mouthful for

198
00:09:13,270 --> 00:09:10,310
example of herpes lesions within a

199
00:09:15,520 --> 00:09:13,280
matter of minutes that pain is gone it

200
00:09:16,510 --> 00:09:15,530
goes just that quickly this is because

201
00:09:18,400 --> 00:09:16,520
of the up regulation of the

202
00:09:20,950 --> 00:09:18,410
anti-inflammatory is the down regulation

203
00:09:23,470 --> 00:09:20,960
of the pro-inflammatory this polar to

204
00:09:25,660 --> 00:09:23,480
aging is especially important in

205
00:09:28,000 --> 00:09:25,670
determining mechanism of action because

206
00:09:31,090 --> 00:09:28,010
it's responsible in part for reading the

207
00:09:33,340 --> 00:09:31,100
genetic code of the infecting virus so

208
00:09:34,930 --> 00:09:33,350
if that's down regulated the virus

209
00:09:38,170 --> 00:09:34,940
cannot replicate with the degree of

210
00:09:40,900 --> 00:09:38,180
efficiency it might have before as a

211
00:09:43,210 --> 00:09:40,910
consequence of that what we see is an

212
00:09:46,060 --> 00:09:43,220
inability of an infectious agent to

213
00:09:49,900 --> 00:09:46,070

replicate that is to say even in the

214
00:09:52,960 --> 00:09:49,910
face of tml therapy the virus can get in

215
00:09:56,290 --> 00:09:52,970
into the susceptible cell it becomes

216
00:09:58,330 --> 00:09:56,300
uncoated new virus components can be

217
00:10:00,280 --> 00:09:58,340
made but they can't be reassembled so

218
00:10:03,010 --> 00:10:00,290
that's the end of infection and again

219
00:10:07,840 --> 00:10:03,020
this happens extremely quickly just as

220
00:10:09,870 --> 00:10:07,850
an example or two with EBV EBV the

221
00:10:12,940 --> 00:10:09,880
epstein-barr virus and mononucleosis

222
00:10:14,080 --> 00:10:12,950
it's not uncommon for college students

223
00:10:16,210 --> 00:10:14,090
for example especially if they're

224
00:10:18,370 --> 00:10:16,220
college athletes to lose a semester of

225
00:10:21,400 --> 00:10:18,380
athletic activity because of infectious

226
00:10:23,020 --> 00:10:21,410
mono if we see a patient with mono start

227
00:10:25,390 --> 00:10:23,030
to treat them they might lose one or

228
00:10:26,730 --> 00:10:25,400
even two practices and that's it they're

229
00:10:31,780 --> 00:10:26,740
back in operation

230
00:10:34,600 --> 00:10:31,790
likewise with a herpes infection for

231
00:10:39,220 --> 00:10:34,610
example of some women will get a herpes

232
00:10:40,990 --> 00:10:39,230
on the lip that will predate the onset

233
00:10:42,820 --> 00:10:41,000
of the menstrual cycle and they'll know

234
00:10:44,260 --> 00:10:42,830
that two or three days before the

235
00:10:46,750 --> 00:10:44,270
menstrual cycle begins there's going to

236
00:10:49,690 --> 00:10:46,760
be this lesion on the lip if that woman

237
00:10:51,250 --> 00:10:49,700
takes a drop of the universal dose of

238
00:10:54,520 --> 00:10:51,260

Simon aerosol under her tongue

239
00:10:56,740 --> 00:10:54,530
sublingual dose every 15 minutes for an

240
00:10:58,990 --> 00:10:56,750
hour usually by the second drop there'll

241
00:11:00,430 --> 00:10:59,000
be no tingling or numbness sensation

242
00:11:01,930 --> 00:11:00,440
that she would have in her lip the

243
00:11:03,610 --> 00:11:01,940
lesion will never develop and that's the

244
00:11:07,150 --> 00:11:03,620
end of that so this is a really

245
00:11:08,560 --> 00:11:07,160
remarkable way to control the disease so

246
00:11:11,530 --> 00:11:08,570
what are we going to do about it

247
00:11:13,450 --> 00:11:11,540
well again getting back to dr. Bauer's

248
00:11:15,670 --> 00:11:13,460
presentation we're going to do clinical

249
00:11:16,450 --> 00:11:15,680
trials and in fact we're in the process

250
00:11:18,220 --> 00:11:16,460
of that

251
00:11:20,400 --> 00:11:18,230
we have what's called an open IND for

252
00:11:24,550 --> 00:11:20,410
influenza there was timed exactly

253
00:11:27,220 --> 00:11:24,560
terribly we had permission from the FDA

254
00:11:29,020 --> 00:11:27,230
to do a trial right at the time of the

255
00:11:31,170 --> 00:11:29,030
the last big scale it's a swine flu or

256
00:11:33,580 --> 00:11:31,180
the bird flu couple or three seasons ago

257
00:11:35,920 --> 00:11:33,590
just as that was winding down we got

258
00:11:37,870 --> 00:11:35,930
permission to gear up and since then

259
00:11:39,250 --> 00:11:37,880
there hasn't been any flu to speak of so

260
00:11:44,290 --> 00:11:39,260
that just sits on the shelf doing

261
00:11:45,940 --> 00:11:44,300
nothing in opposition to that we also

262
00:11:48,240 --> 00:11:45,950
have permission from the FDA to do

263
00:11:51,400 --> 00:11:48,250

what's called a phase two study with

264
00:11:54,430 --> 00:11:51,410
patients who suffer herpes infections

265
00:11:57,580 --> 00:11:54,440
following a dental procedure that is an

266
00:12:00,220 --> 00:11:57,590
ongoing trial we have patients in the

267
00:12:01,990 --> 00:12:00,230
world several sites upstate New York and

268
00:12:03,430 --> 00:12:02,000
a private practice then we have three

269
00:12:05,830 --> 00:12:03,440
dental schools involved at Buffalo

270
00:12:07,630 --> 00:12:05,840
Kentucky and Pittsburgh that trial is

271
00:12:10,990 --> 00:12:07,640
anticipated to be finished this summer

272
00:12:13,480 --> 00:12:11,000
and it's a blinded trial so we don't

273
00:12:14,680 --> 00:12:13,490
know the results but from anecdotal work

274
00:12:18,370 --> 00:12:14,690
with hundreds and hundreds of patients

275
00:12:21,820 --> 00:12:18,380
over the years we expect a positive

276
00:12:25,060 --> 00:12:21,830
result so conclusion stall this are

277
00:12:27,130 --> 00:12:25,070
these sigh Marisol is certainly in our

278
00:12:28,240 --> 00:12:27,140
hands and in the hands of physicians and

279
00:12:31,510 --> 00:12:28,250
veterinarians we've worked with for

280
00:12:34,270 --> 00:12:31,520
years a very potent inhibitor of both

281
00:12:36,280 --> 00:12:34,280
influenzas true influenzas and all the

282
00:12:39,760 --> 00:12:36,290
herpes viruses all of them without

283
00:12:41,560 --> 00:12:39,770
exception it's safe again at these

284
00:12:43,240 --> 00:12:41,570
concentrations recognizing that in

285
00:12:46,270 --> 00:12:43,250
higher concentrations it's anything but

286
00:12:49,450 --> 00:12:46,280
safe it's incredibly inexpensive it's

287
00:12:51,100 --> 00:12:49,460
easily administered just another hint

288
00:12:52,810 --> 00:12:51,110

we've talked about sublingual

289
00:12:54,820 --> 00:12:52,820
administration in humans just a drop

290
00:12:57,700 --> 00:12:54,830
under the tongue we do that also with

291
00:13:00,130 --> 00:12:57,710
dogs and cats owners seem to like that

292
00:13:03,400 --> 00:13:00,140
for the larger animals like cows and

293
00:13:05,500 --> 00:13:03,410
horses the same dose is given by sub-q

294
00:13:08,320 --> 00:13:05,510
ejection get the same results in the

295
00:13:11,500 --> 00:13:08,330
same amount of time so we look at

296
00:13:14,170 --> 00:13:11,510
America tml as a classic example of

297
00:13:17,200 --> 00:13:14,180
hormesis where a toxin at high

298
00:13:19,350 --> 00:13:17,210
concentrations given it the proper low

299
00:13:22,710 --> 00:13:19,360
concentration can be a very useful

300
00:13:25,260 --> 00:13:22,720
therapeutic agent that's it

301
00:13:31,850 --> 00:13:25,270
thank you

302
00:13:36,450 --> 00:13:34,800
yes John I'd like to ask you you talked

303
00:13:39,840 --> 00:13:36,460
about the dosages and different animals

304
00:13:43,680 --> 00:13:39,850
of different yes okay yes Karl med would

305
00:13:47,280 --> 00:13:43,690
have so I questioned you John is have

306
00:13:49,410 --> 00:13:47,290
you tried dosages based on mass for a

307
00:13:51,840 --> 00:13:49,420
different animals so changing the dose

308
00:13:53,700 --> 00:13:51,850
by mass and what they're what if any

309
00:13:55,710 --> 00:13:53,710
difference was there in response

310
00:13:57,240 --> 00:13:55,720
well we yes we have done that and we see

311
00:13:58,650 --> 00:13:57,250
the exact thing I mentioned on the

312
00:14:02,430 --> 00:13:58,660
u-shape bridgetta curve

313
00:14:04,440 --> 00:14:02,440

higher dose we get we can get a negative

314
00:14:06,930 --> 00:14:04,450
effect or no effect lower dose also a

315
00:14:09,590 --> 00:14:06,940
negative effect so mass just plain has

316
00:14:12,720 --> 00:14:09,600
nothing to do with it

317
00:14:19,020 --> 00:14:12,730
hi John my name's Emery Mort thank you

318
00:14:20,820 --> 00:14:19,030
for your presentation my question is in

319
00:14:23,970 --> 00:14:20,830
terms of a mechanistic understanding of

320
00:14:25,890 --> 00:14:23,980
why a low dose works the same on

321
00:14:28,770 --> 00:14:25,900
different sized mammals have you

322
00:14:33,140 --> 00:14:28,780
considered Rupert Sheldrake's morphic

323
00:14:36,090 --> 00:14:33,150
field theory and that perhaps the

324
00:14:39,510 --> 00:14:36,100
medicine is hitting like a trigger unit

325
00:14:40,680 --> 00:14:39,520
that sets off a cascade of okay you're

326
00:14:44,340 --> 00:14:40,690
shaking your head so that's exactly

327
00:14:46,080 --> 00:14:44,350
what's happening okay the administer the

328
00:14:48,030 --> 00:14:46,090
medicine is simply acting as a signal

329
00:14:50,040 --> 00:14:48,040
and that's why interestingly enough you

330
00:14:52,140 --> 00:14:50,050
can get the same response with the same

331
00:14:55,050 --> 00:14:52,150
dose given sublingually or

332
00:14:56,940 --> 00:14:55,060
subcutaneously so once the trigger is

333
00:14:59,310 --> 00:14:56,950
pooled that cascade occurs that results

334
00:15:02,400 --> 00:14:59,320
in the desired outcome but that's that's

335
00:15:04,290 --> 00:15:02,410
all it's doing thank you and my second

336
00:15:06,480 --> 00:15:04,300
question is have you observed or

337
00:15:13,710 --> 00:15:06,490
researched a decline effect in the

338
00:15:20,680 --> 00:15:18,160

hi York Dobyns and I'd like to ask

339
00:15:24,520 --> 00:15:20,690
whether that the description you just

340
00:15:27,370 --> 00:15:24,530
gave of hormesis is perhaps getting

341
00:15:30,910 --> 00:15:27,380
things a little bit turned around since

342
00:15:32,940 --> 00:15:30,920
it as far as I know almost anything is

343
00:15:35,830 --> 00:15:32,950
toxic in sufficiently large

344
00:15:38,830 --> 00:15:35,840
concentrations so it doesn't seem to be

345
00:15:41,170 --> 00:15:38,840
any surprise that a lot of toxins are

346
00:15:47,230 --> 00:15:41,180
harmless or even beneficial in very low

347
00:15:50,620 --> 00:15:47,240
doses I have no argument or anything

348
00:15:53,650 --> 00:15:50,630
about that the point of the matter is is

349
00:15:55,780 --> 00:15:53,660
that what might have been avoided

350
00:15:59,110 --> 00:15:55,790
because of toxic consequences can be

351
00:16:01,060 --> 00:15:59,120
utilized as a as a decent therapeutic

352
00:16:03,160 --> 00:16:01,070
agent in these low doses that's the only

353
00:16:05,010 --> 00:16:03,170
point I think from a practical

354
00:16:06,640 --> 00:16:05,020
standpoint and some really nice

355
00:16:08,740 --> 00:16:06,650
epidemiological work that's been coming

356
00:16:10,750 --> 00:16:08,750
out in the last few years shows that we

357
00:16:12,660 --> 00:16:10,760
all know for example that radiation has

358
00:16:15,870 --> 00:16:12,670
some pretty serious adverse effects

359
00:16:19,090 --> 00:16:15,880
there have been enough people retiring

360
00:16:22,270 --> 00:16:19,100
from careers in the radiation industry

361
00:16:23,920 --> 00:16:22,280
now as a result of simple aging as you

362
00:16:26,680 --> 00:16:23,930
might think that those people that have

363
00:16:28,000 --> 00:16:26,690

been exposed to relatively small amounts

364
00:16:29,500 --> 00:16:28,010
of radiation day in and day out for

365
00:16:30,760 --> 00:16:29,510
years would have higher incidence of

366
00:16:32,860 --> 00:16:30,770
certain kinds of cancer and especially

367
00:16:35,170 --> 00:16:32,870
leukemias and just the opposite is true

368
00:16:36,670 --> 00:16:35,180
the epidemiological evidence now shows

369
00:16:38,920 --> 00:16:36,680
that those people actually have a lower

370
00:16:42,430 --> 00:16:38,930
incidence than Joe and Mary on the

371
00:16:44,470 --> 00:16:42,440
street so the fact that what you're

372
00:16:47,830 --> 00:16:44,480
saying is not terribly revolutionary

373
00:16:53,050 --> 00:16:47,840
other than for making it useful that's

374
00:16:54,370 --> 00:16:53,060
that's the only point Bob Patterson I'm

375
00:16:56,410 --> 00:16:54,380
sort of curious how are you gonna make

376
00:16:58,600 --> 00:16:56,420
money on this I assume it might not be

377
00:17:00,120 --> 00:16:58,610
proprietary and after other discussions

378
00:17:04,740 --> 00:17:00,130
how is you as a commercial enterprise

379
00:17:09,820 --> 00:17:04,750
gonna be making profit it is proprietary

380
00:17:11,410 --> 00:17:09,830
and it is patented and the we will be

381
00:17:12,850 --> 00:17:11,420
the mercenaries like other people and

382
00:17:14,020 --> 00:17:12,860
license it out to the big pharma company

383
00:17:18,280 --> 00:17:14,030
so they can rape the public and me

384
00:17:20,290 --> 00:17:18,290
everybody makes money good morning

385
00:17:21,189 --> 00:17:20,300
what's the motive excretion on all the

386
00:17:25,840 --> 00:17:21,199
different animals

387
00:17:26,889 --> 00:17:25,850
mercury some has breathed off other goes

388
00:17:30,070 --> 00:17:26,899

out through the feces this is

389
00:17:34,299 --> 00:17:30,080
ethylmercury not not methyl so it's a

390
00:17:38,080 --> 00:17:34,309
less toxic incent and in fact we have

391
00:17:41,110 --> 00:17:38,090
patients both who have mostly human that

392
00:17:43,299 --> 00:17:41,120
have been on the the sublingual drops of

393
00:17:45,909 --> 00:17:43,309
this substance for years without

394
00:17:49,389 --> 00:17:45,919
interruption and we can't find anything

395
00:17:51,580 --> 00:17:49,399
in the way of toxicity hi Christine Hart

396
00:17:53,850 --> 00:17:51,590
any effect on post herpetic neuralgia

397
00:17:56,110 --> 00:17:53,860
you bet

398
00:17:57,580 --> 00:17:56,120
yes we combined it with one other

399
00:18:06,330 --> 00:17:57,590
molecule and we can pretty well take

400
00:18:12,110 --> 00:18:09,180
hi John I'm Kenny Arnett I'm wondering

401
00:18:15,810 --> 00:18:12,120
first of all what your take on the

402
00:18:18,210 --> 00:18:15,820
debate over autism and thimerosal is and

403
00:18:22,140 --> 00:18:18,220
secondly what's the relationship between

404
00:18:23,460 --> 00:18:22,150
your work and homeopathy okay the first

405
00:18:25,140 --> 00:18:23,470
of all with respect to autism we do

406
00:18:27,810 --> 00:18:25,150
we've done quite a bit of work with that

407
00:18:30,539 --> 00:18:27,820
disease ourselves you know familiar with

408
00:18:31,649 --> 00:18:30,549
the epidemiology or that's been done in

409
00:18:35,880 --> 00:18:31,659
the last three or four years that

410
00:18:38,159 --> 00:18:35,890
strongly suggest that mercury or at

411
00:18:40,649 --> 00:18:38,169
least say Marysol is not a causative

412
00:18:43,200 --> 00:18:40,659
agent of autism that doesn't mean it's

413
00:18:46,320 --> 00:18:43,210

not in the minds of a lot of people but

414
00:18:49,620 --> 00:18:46,330
what we have found is this opt ism is

415
00:18:51,960 --> 00:18:49,630
certainly a multifactorial disease just

416
00:18:54,120 --> 00:18:51,970
to give you an example you know we have

417
00:18:57,930 --> 00:18:54,130
one family in Sacramento who had a three

418
00:18:59,970 --> 00:18:57,940
or three or four year old daughter who

419
00:19:02,340 --> 00:18:59,980
developed autism about two weeks after

420
00:19:04,350 --> 00:19:02,350
being vaccinated and so you know they

421
00:19:06,659 --> 00:19:04,360
the antennae go up and there's a problem

422
00:19:08,490 --> 00:19:06,669
and that child has become frankly

423
00:19:12,180 --> 00:19:08,500
autistic institutionalized and so forth

424
00:19:14,580 --> 00:19:12,190
they had a younger son of who because of

425
00:19:16,110 --> 00:19:14,590
the parents knowledge and aggressiveness

426
00:19:18,299 --> 00:19:16,120
and learning about autism decided not to

427
00:19:20,460 --> 00:19:18,309
vaccinate the boy when he got to be

428
00:19:24,659 --> 00:19:20,470
three years old he became autistic also

429
00:19:26,760 --> 00:19:24,669
without any vaccine so that's that's one

430
00:19:28,289 --> 00:19:26,770
part of it I think very strongly that

431
00:19:30,810 --> 00:19:28,299
vaccines have something to do with some

432
00:19:32,519 --> 00:19:30,820
case of autism but it has nothing to do

433
00:19:34,590 --> 00:19:32,529
with the preservative it has to do with

434
00:19:35,700 --> 00:19:34,600
multiple vaccines simultaneously and a

435
00:19:38,190 --> 00:19:35,710
child that is immunologically

436
00:19:42,510 --> 00:19:38,200
incompetent and the consequence of that

437
00:19:44,820 --> 00:19:42,520
is can be autism just to mention one

438
00:19:46,490 --> 00:19:44,830

more thing about autism and that is kind

439
00:19:50,850 --> 00:19:46,500
of a strange case but very interesting

440
00:19:53,549 --> 00:19:50,860
there are some parents with autistic

441
00:19:55,620 --> 00:19:53,559
children who at the time of meltdown or

442
00:19:56,970 --> 00:19:55,630
some of them talk talk about meltdown

443
00:19:58,799 --> 00:19:56,980
some talk about the kids being on the

444
00:20:01,169 --> 00:19:58,809
ceiling or so forth the way they bring

445
00:20:06,570 --> 00:20:01,179
them back to semi normalcy is with the

446
00:20:07,680 --> 00:20:06,580
drop of tml yeah yeah the second part of

447
00:20:11,100 --> 00:20:07,690
your question had to do is homeopathy

448
00:20:13,409 --> 00:20:11,110
and we distinguish what we're doing from

449
00:20:15,389 --> 00:20:13,419
homeopathy according to a couple or

450
00:20:17,610 --> 00:20:15,399
three parameters one is our

451
00:20:19,510 --> 00:20:17,620
concentrations are a great deal higher

452
00:20:23,830 --> 00:20:19,520
than would be normally

453
00:20:25,510 --> 00:20:23,840
homeopathic dose we can we do go through

454
00:20:26,560 --> 00:20:25,520
FDA studies that's what these trials are

455
00:20:28,750 --> 00:20:26,570
about that I talked about in the last

456
00:20:29,860 --> 00:20:28,760
portion of the presentation in order to

457
00:20:32,170 --> 00:20:29,870
go through those trials you have to be

458
00:20:33,520 --> 00:20:32,180
able to detect the material in the vial

459
00:20:35,550 --> 00:20:33,530
which is pretty hard to do in some

460
00:20:38,140 --> 00:20:35,560
homeopathic remedies that's one change

461
00:20:40,240 --> 00:20:38,150
second change is we don't do anything

462
00:20:41,590 --> 00:20:40,250
moster cushon that doesn't do anything

463
00:20:44,380 --> 00:20:41,600

for our stuff one way or another and

464
00:20:46,990 --> 00:20:44,390
that seems to be integral to successful

465
00:20:50,290 --> 00:20:47,000
homeopathic remedy formulation third

466
00:20:54,090 --> 00:20:50,300
thing is that although you can buy

467
00:20:57,160 --> 00:20:54,100
homeopathic remedies off the shelf a

468
00:20:59,440 --> 00:20:57,170
homeopathic physician will take ten

469
00:21:02,230 --> 00:20:59,450
people with was herpes for example and

470
00:21:03,960 --> 00:21:02,240
if he sees each patient he'll send them

471
00:21:08,110 --> 00:21:03,970
home with ten different formulations

472
00:21:10,240 --> 00:21:08,120
because of their their background the

473
00:21:11,830 --> 00:21:10,250
multifactorial aspects and so forth we

474
00:21:14,050 --> 00:21:11,840
don't do that that's that's why we're

475
00:21:15,730 --> 00:21:14,060
all excited about universal doses if you

476
00:21:17,320 --> 00:21:15,740
could have one dose that treats the

477
00:21:19,600 --> 00:21:17,330
veterinary patient as well as the human

478
00:21:21,730 --> 00:21:19,610
patient that's a big deal and that again

479
00:21:23,950 --> 00:21:21,740
is a bit inconsistent with the autistic

480
00:21:31,970 --> 00:21:23,960
situation the autistic the homeopathic

481
00:21:40,370 --> 00:21:37,759
hi again a memory my question is have

482
00:21:48,340 --> 00:21:40,380
you tried the universal dose on non

483
00:21:52,390 --> 00:21:50,320
no and I'm trying to think of any that

484
00:21:58,020 --> 00:21:52,400
what's what's the non man when you're

485
00:22:03,610 --> 00:22:01,810
we're trying to treat diseases so if

486
00:22:07,180 --> 00:22:03,620
they don't have a herpes infection

487
00:22:11,440 --> 00:22:07,190
we wouldn't be treating them I I simply

488
00:22:13,030 --> 00:22:11,450

can't think of a fish flu or a there's

489
00:22:15,970 --> 00:22:13,040
certainly bird flu but the birds own

490
00:22:20,640 --> 00:22:15,980
suffer node answer your question we have