

1
00:00:05,980 --> 00:00:13,679
welcome to the skeptic zone the podcast

2
00:00:09,099 --> 00:00:13,679
from Australia for science and reason

3
00:00:21,879 --> 00:00:28,189
hello and welcome to the skeptic zone

4
00:00:24,379 --> 00:00:31,668
episode number 387 for the twentieth of

5
00:00:28,189 --> 00:00:34,518
March 2016 Richard Saunders here with

6
00:00:31,669 --> 00:00:36,378
you from Sydney Australia it rained yes

7
00:00:34,518 --> 00:00:39,679
well it's been raining for a few days on

8
00:00:36,378 --> 00:00:42,378
and off and today the weather was

9
00:00:39,679 --> 00:00:44,539
actually nice and pleasant what a change

10
00:00:42,378 --> 00:00:46,280
now i know people listening around the

11
00:00:44,539 --> 00:00:50,119
world only tune in to the skeptic zone

12
00:00:46,280 --> 00:00:52,548
to hear the sydney forecaster mmm but it

13
00:00:50,119 --> 00:00:54,709
certainly makes a pleasant change to

14
00:00:52,548 --> 00:00:58,158
have the weather cool a little bit

15
00:00:54,710 --> 00:01:02,838
cooler it's a it's quite nice I hope it

16
00:00:58,158 --> 00:01:04,640
lasts until next summer well at least

17
00:01:02,838 --> 00:01:06,560
for a few more days so I can enjoy this

18
00:01:04,640 --> 00:01:09,140
cool change yes that would be very nice

19
00:01:06,560 --> 00:01:10,460
now for those of you who don't tune into

20
00:01:09,140 --> 00:01:12,618
the skeptic zone to hear the Sydney

21
00:01:10,459 --> 00:01:16,129
weather forecast what's coming up this

22
00:01:12,618 --> 00:01:18,739
week we're going to start with a quick

23
00:01:16,129 --> 00:01:22,519
update a little update nova story we

24
00:01:18,739 --> 00:01:24,560
brought you some time ago about a PhD

25
00:01:22,519 --> 00:01:26,408
awarded by the University of Wollongong

26
00:01:24,560 --> 00:01:29,420
for a thesis which was broadly speaking

27
00:01:26,409 --> 00:01:31,159
anti-vaccination now there are a lot of

28
00:01:29,420 --> 00:01:34,099
things happening behind the scenes with

29

00:01:31,159 --> 00:01:37,729
this story but a small update at the

30
00:01:34,099 --> 00:01:41,390
beginning of the show with a vote of

31
00:01:37,728 --> 00:01:44,408
thanks to the reasonable Hank blog and

32
00:01:41,390 --> 00:01:47,840
reasonable Hank com for the information

33
00:01:44,409 --> 00:01:49,250
our reasonable Hank the anti-vaxxers

34
00:01:47,840 --> 00:01:51,020
seemed to think he's all sorts of people

35
00:01:49,250 --> 00:01:54,290
it reminds me of that scene at the end

36
00:01:51,019 --> 00:01:57,170
of a movie Spartacus and I all stand up

37
00:01:54,290 --> 00:01:58,760
and say I am Spartacus was about a

38
00:01:57,170 --> 00:02:01,430
hundred people standing up at the moment

39
00:01:58,760 --> 00:02:02,978
saying I am reasonable Hank all

40
00:02:01,430 --> 00:02:06,710
according to the only vaxors anyway

41
00:02:02,978 --> 00:02:10,280
after that we have a little review a

42
00:02:06,709 --> 00:02:12,049
little look at the current issue of the

43
00:02:10,280 --> 00:02:13,489

skeptic magazine the journal from

44

00:02:12,049 --> 00:02:15,860

Australian skeptics which we mentioned

45

00:02:13,489 --> 00:02:18,200

from time to time on the skeptic zone I

46

00:02:15,860 --> 00:02:20,959

am a member of Australian skeptics of

47

00:02:18,199 --> 00:02:23,509

course and I do write articles for the

48

00:02:20,959 --> 00:02:25,519

magazine so I thought I'd just outlet

49

00:02:23,509 --> 00:02:28,429

you know what's in the current issue if

50

00:02:25,519 --> 00:02:30,230

you care to subscribe entirely up to you

51

00:02:28,430 --> 00:02:32,870

but I think it's a good magazine

52

00:02:30,229 --> 00:02:33,919

regardless and then after that we get to

53

00:02:32,870 --> 00:02:35,390

the the feature

54

00:02:33,919 --> 00:02:38,269

item in this week's episode of the

55

00:02:35,389 --> 00:02:39,889

skeptic zone all about chiropractic now

56

00:02:38,270 --> 00:02:42,969

you might remember last week we read a

57

00:02:39,889 --> 00:02:46,219

piece on the show about chiropractors

58
00:02:42,969 --> 00:02:49,280
having to or being asked or being forced

59
00:02:46,219 --> 00:02:51,009
to Don whatever it is really are to toe

60
00:02:49,280 --> 00:02:55,009
the line to stop making outrageous

61
00:02:51,009 --> 00:02:56,568
claims this week's report is is all

62
00:02:55,009 --> 00:02:59,750
about outrageous claims actually

63
00:02:56,568 --> 00:03:05,329
focusing on the God extend form of

64
00:02:59,750 --> 00:03:08,318
Chiropractic and a very disturbing clip

65
00:03:05,330 --> 00:03:12,049
and audio clip from a video where a baby

66
00:03:08,318 --> 00:03:14,629
gets its back manipulated but we'll get

67
00:03:12,049 --> 00:03:16,430
to that later on in that report and i'll

68
00:03:14,629 --> 00:03:19,509
also be reading a piece from the

69
00:03:16,430 --> 00:03:22,969
Australian skeptics website about GP

70
00:03:19,509 --> 00:03:24,649
training versus chiropractic training

71
00:03:22,969 --> 00:03:26,719
now I have an interesting history with

72
00:03:24,650 --> 00:03:31,930
chiropractic myself and maybe some of

73
00:03:26,719 --> 00:03:37,159
you can relate to this when I was I'm

74
00:03:31,930 --> 00:03:39,140
imagine about eleven ten turning 11

75
00:03:37,159 --> 00:03:42,039
something about that its all lost sin

76
00:03:39,139 --> 00:03:45,738
that in the midst of time a little bit I

77
00:03:42,039 --> 00:03:51,500
was the subject of a beating in the

78
00:03:45,739 --> 00:03:53,659
schoolyard where a classmate who again

79
00:03:51,500 --> 00:03:57,650
that sort of lost in the mists of time I

80
00:03:53,659 --> 00:04:01,849
can't remember exactly who it was ran up

81
00:03:57,650 --> 00:04:04,510
behind me jumped on me from behind as it

82
00:04:01,849 --> 00:04:09,919
were forcing me to the ground boom

83
00:04:04,509 --> 00:04:13,009
luckily it was on the grass i sat on my

84
00:04:09,919 --> 00:04:16,279
back in some sort of fashion grabbed my

85
00:04:13,009 --> 00:04:20,478
hair pulled my head up and beat me on

86

00:04:16,279 --> 00:04:23,029
the face yes it was a horrible

87
00:04:20,478 --> 00:04:26,319
experience especially for a living year

88
00:04:23,029 --> 00:04:29,839
old kid the immediate result was

89
00:04:26,319 --> 00:04:32,659
bruising to the face black eyes that

90
00:04:29,839 --> 00:04:35,659
sort of thing but what I didn't know at

91
00:04:32,660 --> 00:04:37,880
the time was the long-term result was

92
00:04:35,660 --> 00:04:39,539
whiplash when he grabbed my hair and

93
00:04:37,879 --> 00:04:42,909
jerked my head back I

94
00:04:39,538 --> 00:04:46,379
receive some injury to the vertebrae in

95
00:04:42,910 --> 00:04:49,120
my neck over the next month's this

96
00:04:46,379 --> 00:04:52,810
turned out to be a very agonizing

97
00:04:49,120 --> 00:04:57,160
problem for me with a noticeable love

98
00:04:52,810 --> 00:05:02,620
which I can still feel to this very day

99
00:04:57,160 --> 00:05:07,720
some 40 years later on the back of my

100
00:05:02,620 --> 00:05:11,259

neck and it led to awful pain and again

101

00:05:07,720 --> 00:05:13,750

you put yourself in the context of a 11

102

00:05:11,259 --> 00:05:16,180

year old who is waking up with

103

00:05:13,750 --> 00:05:18,750

indescribable pain and confusion and not

104

00:05:16,180 --> 00:05:25,900

sure what's going on and that in turn

105

00:05:18,750 --> 00:05:28,569

led to migraines very unpleasant now you

106

00:05:25,899 --> 00:05:30,310

know these things happen kids get beaten

107

00:05:28,569 --> 00:05:33,519

up in the schoolyard and I'm sure if the

108

00:05:30,310 --> 00:05:36,069

kid who did this to me would have known

109

00:05:33,519 --> 00:05:37,629

long-term consequences it might have

110

00:05:36,069 --> 00:05:40,360

been a different story let's not worry

111

00:05:37,629 --> 00:05:43,329

about that the point is that I had

112

00:05:40,360 --> 00:05:45,310

terrible pain and migraines resulting

113

00:05:43,329 --> 00:05:50,800

from this neck injury which was an

114

00:05:45,310 --> 00:05:53,199

undiagnosed whiplash so again relying on

115
00:05:50,800 --> 00:05:55,418
my memory I guess within the year or

116
00:05:53,199 --> 00:05:58,990
maybe a year or two later it's hard to

117
00:05:55,418 --> 00:06:01,718
remember i was going to doctor to the GP

118
00:05:58,990 --> 00:06:03,280
to see about this neck problem and the

119
00:06:01,718 --> 00:06:07,329
best he did at the time was giving me

120
00:06:03,279 --> 00:06:09,788
pain killers so the underlying problem

121
00:06:07,329 --> 00:06:11,680
wasn't really addressed at the time my

122
00:06:09,788 --> 00:06:13,839
dad at the time also happened to be

123
00:06:11,680 --> 00:06:16,538
suffering from back issues and was

124
00:06:13,839 --> 00:06:19,779
seeing a chiropractor he took me along

125
00:06:16,538 --> 00:06:21,339
and I remember many times going to the

126
00:06:19,779 --> 00:06:24,008
chiropractor and lying down on the table

127
00:06:21,339 --> 00:06:27,718
the chiropractor cradling my head as

128
00:06:24,009 --> 00:06:30,819
they do and with a sudden jerking motion

129
00:06:27,718 --> 00:06:34,598
went my neck and I found I had a bit

130
00:06:30,819 --> 00:06:37,120
more movement and yes that happened

131
00:06:34,598 --> 00:06:39,158
numerous times but I seem to remember

132
00:06:37,120 --> 00:06:42,490
they were short-term relief or at least

133
00:06:39,158 --> 00:06:44,740
I could sense i had more movement in my

134
00:06:42,490 --> 00:06:47,560
neck unfortunately the migraines

135
00:06:44,740 --> 00:06:51,218
persisted and it wasn't until i was

136
00:06:47,560 --> 00:06:52,540
really in my late 20s or 30s that they

137
00:06:51,218 --> 00:06:56,379
became very

138
00:06:52,540 --> 00:07:00,540
rare and now I I hardly ever get them

139
00:06:56,379 --> 00:07:05,079
all which is very nice but for a kid

140
00:07:00,540 --> 00:07:09,280
growing up 11 12 13 14 15 having regular

141
00:07:05,079 --> 00:07:11,680
migraines was unpleasant to say the

142
00:07:09,279 --> 00:07:14,079
least and those of you out there who get

143

00:07:11,680 --> 00:07:16,230
migraines know what I'm talking about

144
00:07:14,079 --> 00:07:18,639
and those who have never had a migraine

145
00:07:16,230 --> 00:07:21,310
well it's just one of those things that

146
00:07:18,639 --> 00:07:23,409
you can't adequately describe well this

147
00:07:21,310 --> 00:07:26,949
is a long-winded way long sort of story

148
00:07:23,410 --> 00:07:29,470
to put it to you that at the time when i

149
00:07:26,949 --> 00:07:34,539
went to see chiropractors and i did so

150
00:07:29,470 --> 00:07:38,110
into my 20s I had no thought that they

151
00:07:34,540 --> 00:07:43,090
weren't legitimate if you follow my

152
00:07:38,110 --> 00:07:47,520
meaning I simply assumed they were a

153
00:07:43,089 --> 00:07:52,029
special field of medicine doctors with a

154
00:07:47,519 --> 00:07:55,089
who specialize in something in this case

155
00:07:52,029 --> 00:07:56,289
back problems and nerve problems I mean

156
00:07:55,089 --> 00:07:59,529
when you're a little kid and your dad

157
00:07:56,290 --> 00:08:01,960

takes you to a clinic and there's a guy

158

00:07:59,529 --> 00:08:03,939

who is just like a doctor in all other

159

00:08:01,959 --> 00:08:07,239

respects with the white coat et cetera

160

00:08:03,939 --> 00:08:08,649

in a consulting room treats you that's

161

00:08:07,240 --> 00:08:10,900

exactly what you think and I had no

162

00:08:08,649 --> 00:08:13,239

reason to believe otherwise so this is

163

00:08:10,899 --> 00:08:16,329

why it comes as something of a shock or

164

00:08:13,240 --> 00:08:18,340

surprise or people have amused when they

165

00:08:16,329 --> 00:08:21,729

discover there are people who are

166

00:08:18,339 --> 00:08:25,179

skeptical of the claims of chiropractic

167

00:08:21,730 --> 00:08:27,580

and it's a classic example of you'll get

168

00:08:25,180 --> 00:08:29,590

people who go to chiropractors and will

169

00:08:27,579 --> 00:08:31,180

swear by them black and blue that they

170

00:08:29,589 --> 00:08:33,098

absolutely work and they're fine and the

171

00:08:31,180 --> 00:08:36,990

Internet I've just had a look on youtube

172
00:08:33,099 --> 00:08:38,860
is full of people with glowing

173
00:08:36,990 --> 00:08:41,430
testimonials and endorsements and in

174
00:08:38,860 --> 00:08:45,009
fact I even ran a search for

175
00:08:41,429 --> 00:08:47,529
chiropractic and skeptic just those two

176
00:08:45,009 --> 00:08:51,429
words on YouTube and its case after case

177
00:08:47,529 --> 00:08:54,039
of videos titled was skeptical of

178
00:08:51,429 --> 00:08:56,769
chiropractic or skeptic converted with

179
00:08:54,039 --> 00:08:59,889
chiropractic and so on and so forth but

180
00:08:56,769 --> 00:09:01,299
as we remember that testimonials aren't

181
00:08:59,889 --> 00:09:03,929
worth the paper they're not written on

182
00:09:01,299 --> 00:09:06,370
and testimonials are not evidence etc

183
00:09:03,929 --> 00:09:07,809
keep all that in mind a bit late

184
00:09:06,370 --> 00:09:12,250
in the show when you're hearing the

185
00:09:07,809 --> 00:09:16,629
report on on chiropractic that for many

186
00:09:12,250 --> 00:09:19,839
people it's just it's not exactly beyond

187
00:09:16,629 --> 00:09:20,710
question the question doesn't come into

188
00:09:19,839 --> 00:09:22,480
their heads that they should be

189
00:09:20,710 --> 00:09:27,190
skeptical of chiropractic or so just

190
00:09:22,480 --> 00:09:31,149
accept it as a normal medical speciality

191
00:09:27,190 --> 00:09:35,140
true well after that tale of woe from my

192
00:09:31,149 --> 00:09:38,009
arch from my childhood it's all right

193
00:09:35,139 --> 00:09:41,110
now I hardly get any migraines I promise

194
00:09:38,009 --> 00:09:42,610
which is a great relief anyway I'm going

195
00:09:41,110 --> 00:09:43,960
to run downstairs and I'm going to have

196
00:09:42,610 --> 00:09:45,399
a bit of chocolate cuz it's nearly

197
00:09:43,960 --> 00:09:47,560
Easter time and I don't care what

198
00:09:45,399 --> 00:09:49,059
anybody says I do enjoy chocolate at

199
00:09:47,559 --> 00:09:50,789
east or any time of the year I like

200

00:09:49,059 --> 00:09:53,528
white chocolate dark chocolate in

201
00:09:50,789 --> 00:09:55,088
between chocolate or more bit of both or

202
00:09:53,528 --> 00:09:57,250
whatever it is I think I have some in

203
00:09:55,089 --> 00:09:59,620
the fridge i'm going to run down run

204
00:09:57,250 --> 00:10:01,778
downstairs open up the fridge find that

205
00:09:59,620 --> 00:10:06,509
chocolate and while i'm munching that i

206
00:10:01,778 --> 00:10:06,509
hope you enjoy the skeptics am

207
00:10:23,889 --> 00:10:29,240
here's a slight update to a story we

208
00:10:27,080 --> 00:10:33,440
brought you some weeks or wasn't even

209
00:10:29,240 --> 00:10:37,279
months ago where Julie why Lehman now

210
00:10:33,440 --> 00:10:39,260
dr. Julie why Lehman PhD received her

211
00:10:37,279 --> 00:10:42,639
PhD from the University of Wollongong

212
00:10:39,259 --> 00:10:46,850
for a thesis that has been broadly

213
00:10:42,639 --> 00:10:49,069
called an anti-vaccination piece this

214
00:10:46,850 --> 00:10:51,980

led to many articles across the media

215

00:10:49,070 --> 00:10:54,110

condemning the situation the awarding of

216

00:10:51,980 --> 00:10:56,710

this PhD and it's a continuing story

217

00:10:54,110 --> 00:11:00,050

doctor while even now has a online

218

00:10:56,710 --> 00:11:02,930

newsletter and I quote from newsletter

219

00:11:00,049 --> 00:11:05,750

100 Australian politicians presenting

220

00:11:02,929 --> 00:11:08,689

myths about vaccination we're towards

221

00:11:05,750 --> 00:11:10,909

the end of the newsletter it says in

222

00:11:08,690 --> 00:11:13,700

Australia the whooping cough vaccine is

223

00:11:10,909 --> 00:11:15,289

promoted on anecdotal evidence parents

224

00:11:13,700 --> 00:11:17,800

promoting the death of their child to

225

00:11:15,289 --> 00:11:20,389

whooping cough and lobby groups such as

226

00:11:17,799 --> 00:11:22,459

Australian skeptics who have many

227

00:11:20,389 --> 00:11:25,340

supporters in the stop the Australian

228

00:11:22,460 --> 00:11:28,490

vaccination Network Facebook page have

229
00:11:25,340 --> 00:11:30,470
provided awards to these parents for

230
00:11:28,490 --> 00:11:32,419
their efforts Australian parents are not

231
00:11:30,470 --> 00:11:35,090
promoting vaccines for awards or

232
00:11:32,419 --> 00:11:37,129
financial gain but it is important for

233
00:11:35,090 --> 00:11:39,680
the community to know that they receive

234
00:11:37,129 --> 00:11:42,649
financial rewards from probe vaccine

235
00:11:39,679 --> 00:11:44,509
lobby groups for their efforts public

236
00:11:42,649 --> 00:11:46,699
health policy is not designed on

237
00:11:44,509 --> 00:11:48,620
anecdotal evidence Australian should

238
00:11:46,700 --> 00:11:51,080
also know that medical practitioners

239
00:11:48,620 --> 00:11:52,759
receive thousands of dollars in grants

240
00:11:51,080 --> 00:11:54,889
from pharmaceutical companies to

241
00:11:52,759 --> 00:11:56,659
increase the vaccination rates of their

242
00:11:54,889 --> 00:11:59,299
practices please consider these

243

00:11:56,659 --> 00:12:01,279
conflicts of interest in the public

244

00:11:59,299 --> 00:12:03,439
health policy and consider all the

245

00:12:01,279 --> 00:12:06,289
medical literature or the absence of

246

00:12:03,440 --> 00:12:09,920
evidence when you decide to vaccinate

247

00:12:06,289 --> 00:12:14,929
yourself or your child dr. Julie why

248

00:12:09,919 --> 00:12:17,509
Lehman www vaccination decisions net now

249

00:12:14,929 --> 00:12:20,029
these financial rewards that dr. volumen

250

00:12:17,509 --> 00:12:22,159
talks about with regard to the

251

00:12:20,029 --> 00:12:24,379
Australian skeptics is that we awarded

252

00:12:22,159 --> 00:12:27,500
the Australian skeptics that is awarded

253

00:12:24,379 --> 00:12:31,370
the parents of baby Riley who died from

254

00:12:27,500 --> 00:12:35,149
whooping cough the Fred fournette award

255

00:12:31,370 --> 00:12:37,100
which we do most years for people who

256

00:12:35,149 --> 00:12:39,470
are in the general community promote

257

00:12:37,100 --> 00:12:42,769
science and good reason the parents of

258
00:12:39,470 --> 00:12:45,860
baby Riley donated the money associated

259
00:12:42,769 --> 00:12:48,980
with the Fred proponent prize to charity

260
00:12:45,860 --> 00:12:51,610
more on this continuing story as it

261
00:12:48,980 --> 00:12:51,610
comes to hand

262
00:13:07,458 --> 00:13:12,758
hi this is Heidi Robertson from the

263
00:13:10,818 --> 00:13:15,639
Northern Rivers vaccination supporters

264
00:13:12,759 --> 00:13:18,230
we are a group of concerned citizens

265
00:13:15,639 --> 00:13:20,839
dedicated to promoting good science and

266
00:13:18,230 --> 00:13:23,869
common sense in our region the far north

267
00:13:20,839 --> 00:13:25,670
coast of New South Wales this area are

268
00:13:23,869 --> 00:13:28,699
famous for its natural beauty and

269
00:13:25,669 --> 00:13:32,299
relaxed lifestyle also has the lowest

270
00:13:28,698 --> 00:13:34,399
rates of vaccination in Australia we are

271
00:13:32,299 --> 00:13:36,828

out to change that by challenging the

272

00:13:34,399 --> 00:13:38,299

myths and misinformation and by

273

00:13:36,828 --> 00:13:41,778

providing good evidence-based

274

00:13:38,299 --> 00:13:43,669

information to the community we'd love

275

00:13:41,778 --> 00:13:47,299

for you no matter where you are in the

276

00:13:43,669 --> 00:13:54,889

world to join our fight please visit our

277

00:13:47,299 --> 00:13:57,708

webpage at ww nrvs info we also have a

278

00:13:54,889 --> 00:14:02,028

link there to our Facebook page tweet us

279

00:13:57,708 --> 00:14:04,638

at in our vax supporters that's vix and

280

00:14:02,028 --> 00:14:07,278

check us out on Wikipedia by searching

281

00:14:04,639 --> 00:14:10,990

for Northern Rivers vaccination

282

00:14:07,278 --> 00:14:10,990

supporters thank you

283

00:14:24,779 --> 00:14:30,220

now you often hear me talking about

284

00:14:27,750 --> 00:14:32,259

items and articles and bits and pieces

285

00:14:30,220 --> 00:14:33,759

from the Australian skeptics I am in the

286

00:14:32,259 --> 00:14:37,029

Australian skeptics so that's no

287

00:14:33,759 --> 00:14:39,009

surprise and you'll often hear on the

288

00:14:37,029 --> 00:14:42,309

skeptic zone talk of the skeptic

289

00:14:39,009 --> 00:14:44,620

magazine the Journal of Australian

290

00:14:42,309 --> 00:14:49,539

skeptics which has been in publication

291

00:14:44,620 --> 00:14:52,720

now for 36 years I have here in my hands

292

00:14:49,539 --> 00:14:55,719

the latest issue of the skeptic water

293

00:14:52,720 --> 00:14:59,490

dramatic covered has it's a sort of an

294

00:14:55,720 --> 00:15:04,149

ancient Egyptian sphinx type mummy type

295

00:14:59,490 --> 00:15:05,799

sarcophagus picture to do with one of

296

00:15:04,149 --> 00:15:08,289

the stories in the magazine Dark Ages

297

00:15:05,799 --> 00:15:11,500

and Pharaohs but there's much more in

298

00:15:08,289 --> 00:15:14,319

this current issue which is volume 36

299

00:15:11,500 --> 00:15:18,070

number 14 March 2016 some of the reports

300
00:15:14,320 --> 00:15:20,970
covered in this issue are the ABC TV

301
00:15:18,070 --> 00:15:26,379
catalyst program and their wife ride

302
00:15:20,970 --> 00:15:28,420
Fiasco the awarding of a PhD for

303
00:15:26,379 --> 00:15:31,179
anti-vaccination by the University of

304
00:15:28,419 --> 00:15:34,089
Wollongong more from ancient history Oh

305
00:15:31,179 --> 00:15:36,579
an article by longtime skeptic and

306
00:15:34,090 --> 00:15:39,490
former editor of the skeptic magazine

307
00:15:36,580 --> 00:15:42,009
Barry Williams we have articles by steve

308
00:15:39,490 --> 00:15:45,220
roberts about planets and outer space

309
00:15:42,009 --> 00:15:46,600
the article by me and dr. chrissy wilson

310
00:15:45,220 --> 00:15:49,149
which you can download for free at

311
00:15:46,600 --> 00:15:52,259
skeptics calm today you the medium

312
00:15:49,149 --> 00:15:55,689
neither read nor well done where we

313
00:15:52,259 --> 00:15:59,830
analyze the cold reading or the reading

314

00:15:55,690 --> 00:16:02,590
maybe i should say of psychic lisa

315
00:15:59,830 --> 00:16:08,110
williams an article by our very own joe

316
00:16:02,590 --> 00:16:10,930
alabasta about black salv and so much

317
00:16:08,110 --> 00:16:14,259
more it's a worthwhile magazine you can

318
00:16:10,929 --> 00:16:16,629
subscribe and have it posted to you you

319
00:16:14,259 --> 00:16:18,789
can read it in the buff or on the train

320
00:16:16,629 --> 00:16:20,980
or whatever the case may be or as many

321
00:16:18,789 --> 00:16:24,129
people are doing for half the price you

322
00:16:20,980 --> 00:16:28,120
can have it delivered to your inbox as a

323
00:16:24,129 --> 00:16:31,179
PDF and will I enjoy getting the paper

324
00:16:28,120 --> 00:16:31,830
copy myself but i also have a copy on my

325
00:16:31,179 --> 00:16:36,000
ipad

326
00:16:31,830 --> 00:16:38,190
or for ease of reading that's the

327
00:16:36,000 --> 00:16:40,919
skeptical magazine you can subscribe at

328
00:16:38,190 --> 00:16:43,440

skeptics calm today you and just

329

00:16:40,919 --> 00:16:45,990

noticing in the skeptic magazine there's

330

00:16:43,440 --> 00:16:48,240

a little blurb there for the upcoming

331

00:16:45,990 --> 00:16:50,820

Australian skeptics national convention

332

00:16:48,240 --> 00:16:52,560

the 32nd national convention now this

333

00:16:50,820 --> 00:16:54,830

will be in Melbourne wonderful melbourne

334

00:16:52,559 --> 00:16:58,289

on the twenty-fifth to the 27th of

335

00:16:54,830 --> 00:17:01,889

november 2016 although the tickets won't

336

00:16:58,289 --> 00:17:03,959

go on sale until june it's worth putting

337

00:17:01,889 --> 00:17:08,250

those dates aside in your calendar

338

00:17:03,960 --> 00:17:11,640

already slated to appear our lawrence

339

00:17:08,250 --> 00:17:13,380

krauss and ed's at ernst it's a lot of

340

00:17:11,640 --> 00:17:15,630

fun i really enjoy the australian

341

00:17:13,380 --> 00:17:17,250

skeptics conventions one of the thing i

342

00:17:15,630 --> 00:17:20,580

love about them is the awarding of the

343
00:17:17,250 --> 00:17:24,440
bent spoon award so there you are the

344
00:17:20,579 --> 00:17:28,409
latest issue of the skeptic magazine as

345
00:17:24,440 --> 00:17:30,890
compiled and edited by our very own Tim

346
00:17:28,410 --> 00:17:30,890
mendham

347
00:17:51,819 --> 00:17:57,799
hello Richard and all the listeners of

348
00:17:54,859 --> 00:18:00,740
skeptic zone my name is Ron levy and I'm

349
00:17:57,799 --> 00:18:02,629
the producer and co-host of curious mind

350
00:18:00,740 --> 00:18:09,559
it's a podcast about science technology

351
00:18:02,630 --> 00:18:11,780
and history at wwc em-pod cmp OD dot net

352
00:18:09,559 --> 00:18:14,000
each episode will bring you interesting

353
00:18:11,779 --> 00:18:17,089
stories from a wide range of subjects

354
00:18:14,000 --> 00:18:19,519
from physics astronomy and medicine from

355
00:18:17,089 --> 00:18:21,349
arts to science fiction we strive for

356
00:18:19,519 --> 00:18:23,750
the highest production values both in

357
00:18:21,349 --> 00:18:26,480
content and in delivery we already have

358
00:18:23,750 --> 00:18:29,000
on the air episodes about German u-boats

359
00:18:26,480 --> 00:18:32,059
in Second World War about the history of

360
00:18:29,000 --> 00:18:35,259
x-rays and the war of currents between

361
00:18:32,059 --> 00:18:39,609
Tesla and Edison come and have a listen

362
00:18:35,259 --> 00:18:39,609
www cm pod

363
00:18:55,888 --> 00:19:01,479
on last week's skeptic zone I read a

364
00:18:59,019 --> 00:19:04,499
piece by Kidd momentum the editor of the

365
00:19:01,480 --> 00:19:07,839
skeptic magazine here in Australia about

366
00:19:04,499 --> 00:19:11,200
chiropractors and their requirements to

367
00:19:07,839 --> 00:19:13,359
toe the line as it were to operate under

368
00:19:11,200 --> 00:19:15,610
the guidelines of the various

369
00:19:13,359 --> 00:19:17,589
chiropractic boards now in a few moments

370
00:19:15,609 --> 00:19:20,769
i'll be reading another piece by tim

371

00:19:17,589 --> 00:19:23,439
mendham about chiropractic versus GP

372
00:19:20,769 --> 00:19:25,720
when it comes to their training how much

373
00:19:23,440 --> 00:19:27,940
training does a GP receive compared to

374
00:19:25,720 --> 00:19:30,429
how much training a chiropractor

375
00:19:27,940 --> 00:19:33,239
receives also in a moment I'll be

376
00:19:30,429 --> 00:19:35,950
playing some clips I've found on YouTube

377
00:19:33,239 --> 00:19:39,220
with some various claims made by

378
00:19:35,950 --> 00:19:43,778
chiropractors and even the sound of a

379
00:19:39,220 --> 00:19:45,548
baby's spine being manipulated more of

380
00:19:43,778 --> 00:19:47,288
that in a moment but for a sort of an

381
00:19:45,548 --> 00:19:50,908
overview of chiropractic I thought I

382
00:19:47,288 --> 00:19:55,058
would read from the course guide notes

383
00:19:50,909 --> 00:19:57,489
from dr. Harriet Hall regular skeptic

384
00:19:55,058 --> 00:19:59,908
zone listeners will know that I play

385
00:19:57,489 --> 00:20:02,679

promotional clips for dr. Harriet halls

386

00:19:59,909 --> 00:20:05,230

series on science-based medicine and

387

00:20:02,679 --> 00:20:07,499

various alternative medicine modalities

388

00:20:05,230 --> 00:20:11,169

it's an excellent video series and

389

00:20:07,499 --> 00:20:14,230

indeed we interviewed dr. all about this

390

00:20:11,169 --> 00:20:17,649

series on episode 372 which was

391

00:20:14,230 --> 00:20:20,608

broadcast podcast on the 6th December

392

00:20:17,648 --> 00:20:23,199

2015 worth going into the archives and

393

00:20:20,608 --> 00:20:25,928

revisiting that interview so from the

394

00:20:23,200 --> 00:20:29,139

course guide notes for the segment on

395

00:20:25,929 --> 00:20:31,389

chiropractic we read false claims these

396

00:20:29,138 --> 00:20:34,449

are false claims made by chiropractic

397

00:20:31,388 --> 00:20:36,849

chiropractic is a science chiropractic

398

00:20:34,450 --> 00:20:40,359

is based on neurology anatomy and

399

00:20:36,849 --> 00:20:43,778

physiology chiropractors and doctors of

400
00:20:40,358 --> 00:20:48,178
the nervous system chiropractic improves

401
00:20:43,778 --> 00:20:51,608
health and quality of life in reality

402
00:20:48,179 --> 00:20:56,679
invented by a grocer all by himself in a

403
00:20:51,608 --> 00:20:59,349
single day September the 18th 1895 DD

404
00:20:56,679 --> 00:21:02,769
parmer believed all illness was caused

405
00:20:59,349 --> 00:21:05,608
by bones out of place he extrapolated

406
00:21:02,769 --> 00:21:08,799
from a single case based on a

407
00:21:05,608 --> 00:21:11,490
misunderstanding of anatomy base

408
00:21:08,799 --> 00:21:15,190
on false theory the mythical

409
00:21:11,490 --> 00:21:18,430
chiropractic subluxation impairment of

410
00:21:15,190 --> 00:21:21,580
nerve flow interference with a mystical

411
00:21:18,430 --> 00:21:23,400
vital istic power in eight that

412
00:21:21,579 --> 00:21:27,119
maintains health chiropractic

413
00:21:23,400 --> 00:21:30,940
manipulation can have adverse effects

414
00:21:27,119 --> 00:21:34,049
strokes from back manipulation broken

415
00:21:30,940 --> 00:21:37,779
bones hemorrhage herniated discs

416
00:21:34,049 --> 00:21:40,680
paralysis death half of all patients

417
00:21:37,779 --> 00:21:44,230
have mild to moderate side effects often

418
00:21:40,680 --> 00:21:46,900
associated with quackery bogus tests

419
00:21:44,230 --> 00:21:49,299
used by some chiropractors biological

420
00:21:46,900 --> 00:21:52,930
terrain assessment computerized

421
00:21:49,299 --> 00:21:56,730
nutrition deficiency testing contact

422
00:21:52,930 --> 00:22:00,810
reflex analysis electrodermal screening

423
00:21:56,730 --> 00:22:04,390
functional intercellular analysis FIA

424
00:22:00,809 --> 00:22:09,279
hair analysis herbal crystallization

425
00:22:04,390 --> 00:22:12,070
analysis iridology leg length testing to

426
00:22:09,279 --> 00:22:14,859
check for subluxation 'he's live blood

427
00:22:12,069 --> 00:22:17,829
analysis also called nutritional blood

428

00:22:14,859 --> 00:22:23,159
analysis or humor view testing with a

429
00:22:17,829 --> 00:22:27,250
nervous cope nutri balanced new try spec

430
00:22:23,160 --> 00:22:30,700
pendulum divination reflexology saliva

431
00:22:27,250 --> 00:22:33,160
testing spinal ultrasound testing to a

432
00:22:30,700 --> 00:22:36,910
measure progress surface

433
00:22:33,160 --> 00:22:39,910
electromyography sem g thermography

434
00:22:36,910 --> 00:22:43,029
testing with a toughness device weighing

435
00:22:39,910 --> 00:22:45,790
on a twin scale device spinal analysis

436
00:22:43,029 --> 00:22:49,359
machine forty-three percent of american

437
00:22:45,789 --> 00:22:52,839
chiropractors used applied kinesiology a

438
00:22:49,359 --> 00:22:56,019
bogus muscle testing procedure for both

439
00:22:52,839 --> 00:22:59,309
testing and treatment bogus treatments

440
00:22:56,019 --> 00:23:02,759
used by many chiropractors acupuncture

441
00:22:59,309 --> 00:23:06,279
activator methods applied kinesiology

442
00:23:02,759 --> 00:23:10,559

bioelectric synchronization technique be

443

00:23:06,279 --> 00:23:13,839

EST chelation therapy colonic irrigation

444

00:23:10,559 --> 00:23:16,629

cranial or cranial scalpel therapy laser

445

00:23:13,839 --> 00:23:20,019

acupuncture magnetic or biomagnetic

446

00:23:16,630 --> 00:23:22,370

therapy neuro emotional technique any T

447

00:23:20,019 --> 00:23:26,029

neuro organization technique

448

00:23:22,369 --> 00:23:28,839

n of homeopathic products unproven

449

00:23:26,029 --> 00:23:31,430

dietary supplements or herbal products

450

00:23:28,839 --> 00:23:35,319

some chiropractors do bad things

451

00:23:31,430 --> 00:23:38,330

including unnecessary x-rays unethical

452

00:23:35,319 --> 00:23:41,210

advertising fifty percent discourage

453

00:23:38,329 --> 00:23:44,990

immunization discouraged conventional

454

00:23:41,210 --> 00:23:48,319

medical care of a lifelong maintenance

455

00:23:44,990 --> 00:23:51,200

adjustments miss diagnose or failed to

456

00:23:48,319 --> 00:23:54,678

refer appropriately treat young children

457
00:23:51,200 --> 00:23:57,819
and even newborns who spines haven't

458
00:23:54,679 --> 00:24:01,150
finished forming more on that soon

459
00:23:57,819 --> 00:24:05,210
presume to function as family doctors

460
00:24:01,150 --> 00:24:08,630
types of chiropractors strains do

461
00:24:05,210 --> 00:24:11,808
chiropractic adjustments only mixes add

462
00:24:08,630 --> 00:24:15,020
other treatments everything from massage

463
00:24:11,808 --> 00:24:17,960
to a voodoo upper cervical chiropractors

464
00:24:15,019 --> 00:24:20,900
only adjust the top of vertebra of the

465
00:24:17,960 --> 00:24:23,808
neck reform chiropractors who reject the

466
00:24:20,900 --> 00:24:26,900
subluxation concept and try to practice

467
00:24:23,808 --> 00:24:29,329
evidence-based chiropractic the only

468
00:24:26,900 --> 00:24:32,300
thing chiropractors do that has been

469
00:24:29,329 --> 00:24:35,569
definitely proven effective your spinal

470
00:24:32,299 --> 00:24:38,058
manipulation treatment smt for certain

471
00:24:35,569 --> 00:24:41,779
types of lower back pain there is

472
00:24:38,058 --> 00:24:44,808
nothing uniquely chiropractic about smt

473
00:24:41,779 --> 00:24:46,970
it's also used by a physiotherapist and

474
00:24:44,808 --> 00:24:48,980
others it is no more effective in the

475
00:24:46,970 --> 00:24:51,890
long run than other treatments for lower

476
00:24:48,980 --> 00:24:54,200
back pain but it is a reasonable option

477
00:24:51,890 --> 00:24:57,350
for people who prefer it and it may

478
00:24:54,200 --> 00:24:59,660
offer earlier relief if you want to see

479
00:24:57,349 --> 00:25:02,019
a chiropractor here's a list of what you

480
00:24:59,660 --> 00:25:06,950
should look for rejects subluxation

481
00:25:02,019 --> 00:25:09,710
theory no full spine xrays no quack

482
00:25:06,950 --> 00:25:13,100
products or tests no preventive or

483
00:25:09,710 --> 00:25:16,190
maintenance adjustments no promotion of

484
00:25:13,099 --> 00:25:18,589
unproven dietary supplements doesn't

485

00:25:16,190 --> 00:25:22,039
pretend to be a family doctor doesn't

486
00:25:18,589 --> 00:25:24,909
treat young children no antagonism to

487
00:25:22,039 --> 00:25:27,678
the scientific method doesn't discourage

488
00:25:24,910 --> 00:25:30,310
immunizations limited to short-term

489
00:25:27,679 --> 00:25:34,890
treatment of musculoskeletal problems

490
00:25:30,309 --> 00:25:37,529
knows when to refer bottom line if a

491
00:25:34,890 --> 00:25:39,630
chiropractor offers spinal manipulation

492
00:25:37,529 --> 00:25:42,450
a treatment for a short-term treatment

493
00:25:39,630 --> 00:25:45,330
of certain kinds of musculoskeletal pain

494
00:25:42,450 --> 00:25:48,809
he might be able to help you if he

495
00:25:45,329 --> 00:25:50,699
offers to adjust your subluxation or

496
00:25:48,809 --> 00:25:54,059
treat problems elsewhere in the body

497
00:25:50,700 --> 00:25:56,630
it's best to avoid him horror stories

498
00:25:54,059 --> 00:26:00,000
illustrate just how unscientific

499
00:25:56,630 --> 00:26:02,610

chiropractic can be chiropractic

500

00:26:00,000 --> 00:26:05,819

research studies are generally poor

501

00:26:02,609 --> 00:26:07,709

usually without controls and often are

502

00:26:05,819 --> 00:26:10,230

simply case reports that are poorly

503

00:26:07,710 --> 00:26:13,259

documented now real progress has been

504

00:26:10,230 --> 00:26:16,049

made in over a century the research has

505

00:26:13,259 --> 00:26:18,329

never found a treatment ineffective they

506

00:26:16,049 --> 00:26:20,609

keep adding treatment methods and never

507

00:26:18,329 --> 00:26:22,859

give up on any of them so that was a

508

00:26:20,609 --> 00:26:26,969

quick overview of some of the course

509

00:26:22,859 --> 00:26:30,500

guide notes from the harriet whole video

510

00:26:26,970 --> 00:26:34,589

on chiropractic again you can just visit

511

00:26:30,500 --> 00:26:37,500

skeptic dot info for the link to the

512

00:26:34,589 --> 00:26:41,220

videos which i recommend and the course

513

00:26:37,500 --> 00:26:43,009

guide notes now let's hear some of the

514
00:26:41,220 --> 00:26:45,569
claims made for chiropractic

515
00:26:43,009 --> 00:26:48,450
specifically the branch of chiropractic

516
00:26:45,569 --> 00:26:55,099
called gonstead now this is named after

517
00:26:48,450 --> 00:26:58,380
Clarence gonstead 1898 to 1978 and to

518
00:26:55,099 --> 00:27:00,829
read from the gods dead chiropractic

519
00:26:58,380 --> 00:27:03,600
Society of Australia's website

520
00:27:00,829 --> 00:27:06,210
chiropractic began with Daniel D Palmer

521
00:27:03,599 --> 00:27:10,679
giving his first adjustment in September

522
00:27:06,210 --> 00:27:12,720
1895 in Davenport Iowa today there are

523
00:27:10,680 --> 00:27:14,580
many methods used by chiropractors to

524
00:27:12,720 --> 00:27:17,309
correct spinal misalignments joint

525
00:27:14,579 --> 00:27:19,649
dysfunction and subluxation complexes

526
00:27:17,309 --> 00:27:21,029
many techniques are identified by the

527
00:27:19,650 --> 00:27:23,670
name of the person who was most

528
00:27:21,029 --> 00:27:26,279
instrumental in their development one of

529
00:27:23,670 --> 00:27:29,250
the most advanced and scientific methods

530
00:27:26,279 --> 00:27:31,589
is called the gonstead system dr.

531
00:27:29,250 --> 00:27:34,279
gonstead developed his procedure as a

532
00:27:31,589 --> 00:27:37,319
result of extensive clinical research

533
00:27:34,279 --> 00:27:39,539
these procedures were developed over

534
00:27:37,319 --> 00:27:41,909
many years of clinical observation and

535
00:27:39,539 --> 00:27:46,019
research to work out how to get sick

536
00:27:41,910 --> 00:27:48,370
patients well doctor God stands 55 years

537
00:27:46,019 --> 00:27:50,889
of continuous practice and

538
00:27:48,369 --> 00:27:53,250
a four-million chiropractic adjustments

539
00:27:50,890 --> 00:27:56,290
resulted in the most complete method of

540
00:27:53,250 --> 00:27:59,250
biomechanical analysis available for use

541
00:27:56,289 --> 00:28:01,839
by today's doctors and chiropractors

542

00:27:59,250 --> 00:28:04,180
many of dr. Johnston's clinical

543
00:28:01,839 --> 00:28:06,429
approaches theories and results are now

544
00:28:04,180 --> 00:28:09,250
being explained by modern scientific

545
00:28:06,430 --> 00:28:11,170
research and studies dr. Johnston was

546
00:28:09,250 --> 00:28:13,779
asked by other chiropractors to teach

547
00:28:11,170 --> 00:28:15,880
them what he did and how he got the

548
00:28:13,779 --> 00:28:18,490
results that he did this led to the

549
00:28:15,880 --> 00:28:21,429
development of the gods Ted seminar in

550
00:28:18,490 --> 00:28:23,740
the mid 1940s and a systematic approach

551
00:28:21,429 --> 00:28:26,860
to explaining the way he practiced and

552
00:28:23,740 --> 00:28:28,808
got sick patients well here are some of

553
00:28:26,859 --> 00:28:33,159
the claims being made by chiropractors

554
00:28:28,808 --> 00:28:36,220
today our chiropractic research suggests

555
00:28:33,160 --> 00:28:39,220
and a clinical experience that we may be

556
00:28:36,220 --> 00:28:41,679

able to help your child to breathe

557

00:28:39,220 --> 00:28:44,259

easier with harassment improve their

558

00:28:41,679 --> 00:28:46,690

posture and fed alignment to help them

559

00:28:44,259 --> 00:28:50,500

to build stronger immune systems against

560

00:28:46,690 --> 00:28:52,690

colds and ear infections and to help

561

00:28:50,500 --> 00:28:56,109

manage any other childhood ailments

562

00:28:52,690 --> 00:28:58,558

including colleague ADHD bedwetting

563

00:28:56,109 --> 00:29:00,579

birth trauma and sporting injuries

564

00:28:58,558 --> 00:29:03,220

asthma is one of the many conditions

565

00:29:00,579 --> 00:29:05,409

that we get fantastic results with

566

00:29:03,220 --> 00:29:07,539

through chiropractic care case after

567

00:29:05,410 --> 00:29:10,259

case after case of people that have had

568

00:29:07,539 --> 00:29:12,579

breathing issues that are borderline

569

00:29:10,259 --> 00:29:15,099

bronchitis pneumonia but especially

570

00:29:12,579 --> 00:29:17,079

asthma we've been able to help people

571
00:29:15,099 --> 00:29:19,419
get off of their inhalers and actually

572
00:29:17,079 --> 00:29:21,730
take a nice deep breath for the first

573
00:29:19,420 --> 00:29:23,200
time in their lives believe it or not

574
00:29:21,730 --> 00:29:24,819
we've had many patients come here

575
00:29:23,200 --> 00:29:26,799
seeking help with urinary tract

576
00:29:24,819 --> 00:29:29,079
infections and kidney problems we've had

577
00:29:26,799 --> 00:29:31,329
many patients that have had borderline

578
00:29:29,079 --> 00:29:33,909
kidney failure that have responded

579
00:29:31,329 --> 00:29:35,619
through chiropractic help now you may

580
00:29:33,910 --> 00:29:37,210
ask yourself how can an adjustment in

581
00:29:35,619 --> 00:29:39,759
the back actually affect the kidneys

582
00:29:37,210 --> 00:29:41,470
well it's very simple wherever the brain

583
00:29:39,759 --> 00:29:43,690
goes it has to communicate with those

584
00:29:41,470 --> 00:29:45,640
organs through the nervous system quite

585
00:29:43,690 --> 00:29:48,370
simply the function of a chiropractor is

586
00:29:45,640 --> 00:29:50,620
route is to remove any interference in

587
00:29:48,369 --> 00:29:52,569
the nervous system therefore if you have

588
00:29:50,619 --> 00:29:54,969
a blockage of that nerve going to the

589
00:29:52,569 --> 00:29:57,009
kidney and that's what's causing that

590
00:29:54,970 --> 00:29:58,630
kidney to shut down doesn't it make

591
00:29:57,009 --> 00:30:01,390
sense that that interference needs to be

592
00:29:58,630 --> 00:30:02,200
removed as a nation we don't get enough

593
00:30:01,390 --> 00:30:04,270
sleep

594
00:30:02,200 --> 00:30:06,250
many times this is due to a misalignment

595
00:30:04,269 --> 00:30:08,920
of the pelvis specifically your hips

596
00:30:06,250 --> 00:30:10,660
what we will do is evaluate and see

597
00:30:08,920 --> 00:30:13,630
whether or not your hips are misaligned

598
00:30:10,660 --> 00:30:15,940
when those hips are actually off what it

599

00:30:13,630 --> 00:30:18,820
does is cause muscle imbalance and make

600
00:30:15,940 --> 00:30:21,279
sleeping very uncomfortable parents this

601
00:30:18,819 --> 00:30:23,769
one's for you if your children have ear

602
00:30:21,279 --> 00:30:25,599
infections you must get them checked I

603
00:30:23,769 --> 00:30:28,839
beseech you not to give them antibiotics

604
00:30:25,599 --> 00:30:30,399
and go the natural route if you know of

605
00:30:28,839 --> 00:30:32,799
children who are suffering with chronic

606
00:30:30,400 --> 00:30:34,900
ear infections please bring them in and

607
00:30:32,799 --> 00:30:36,579
have them evaluated let's see if we can

608
00:30:34,900 --> 00:30:40,450
help them the natural way the

609
00:30:36,579 --> 00:30:43,179
chiropractic way which brings us to a

610
00:30:40,450 --> 00:30:46,259
very short clip which I discovered at

611
00:30:43,180 --> 00:30:49,120
the youtube channel entitled

612
00:30:46,259 --> 00:30:51,660
chiropractic excellence I'll play the

613
00:30:49,119 --> 00:30:54,279

clip now give you a brief explanation

614

00:30:51,660 --> 00:30:56,980

but it'll look more than that because

615

00:30:54,279 --> 00:31:00,309

she so flexible I'm going to have to get

616

00:30:56,980 --> 00:31:02,860

some extension in as fun I'm going to

617

00:31:00,309 --> 00:31:04,720

take that contact there like that I have

618

00:31:02,859 --> 00:31:07,439

to unfortunately just extend her a

619

00:31:04,720 --> 00:31:15,880

little bit to get it in the right place

620

00:31:07,440 --> 00:31:18,309

that's why we know to set the scene what

621

00:31:15,880 --> 00:31:20,680

you just heard the chiropractor was

622

00:31:18,309 --> 00:31:25,839

sitting on a chair four day old baby

623

00:31:20,680 --> 00:31:28,269

lying across his lap facedown and the

624

00:31:25,839 --> 00:31:32,829

chiropractor pushed his hands into the

625

00:31:28,269 --> 00:31:34,629

baby's spine and cracked the babys back

626

00:31:32,829 --> 00:31:37,689

and then you hear the crying let's

627

00:31:34,630 --> 00:31:40,210

listen to that again I feel like that I

628
00:31:37,690 --> 00:31:42,930
have to unfortunately just extend her a

629
00:31:40,210 --> 00:31:47,410
little bit to get it in the right place

630
00:31:42,930 --> 00:31:55,220
that's why we sorry

631
00:31:47,410 --> 00:31:57,140
okay and it looks far worse than it

632
00:31:55,220 --> 00:31:58,940
sounds when you see this little baby's

633
00:31:57,140 --> 00:32:01,400
back being pushed in that really made me

634
00:31:58,940 --> 00:32:06,590
wince and it makes me wince every time I

635
00:32:01,400 --> 00:32:08,330
see it but now we'll turn to a item

636
00:32:06,589 --> 00:32:17,689
posted on the Australian skeptics

637
00:32:08,329 --> 00:32:21,319
website as published at ww skeptics com

638
00:32:17,690 --> 00:32:26,750
au twenty-second of february by Tim

639
00:32:21,319 --> 00:32:30,169
mendham Cairo vs. GP who's more

640
00:32:26,750 --> 00:32:32,569
qualified is it true that GPS and

641
00:32:30,170 --> 00:32:35,180
chiropractors do much of the same level

642
00:32:32,569 --> 00:32:37,579
of training and are thus equally

643
00:32:35,180 --> 00:32:40,789
qualified to practice primary health

644
00:32:37,579 --> 00:32:44,779
care should chiropractors play the role

645
00:32:40,789 --> 00:32:48,559
that GPS currently do as the first stop

646
00:32:44,779 --> 00:32:50,899
for medical consultation the argument

647
00:32:48,559 --> 00:32:53,899
used by chiropractors to practice as

648
00:32:50,900 --> 00:32:56,180
primary health care is that they must go

649
00:32:53,900 --> 00:32:58,790
through the same level of medical

650
00:32:56,180 --> 00:33:01,759
training as GPS including the same

651
00:32:58,789 --> 00:33:04,549
courses and are thus as qualified to

652
00:33:01,759 --> 00:33:08,029
offer primary healthcare as GPS the

653
00:33:04,549 --> 00:33:10,190
question is whether this is true the

654
00:33:08,029 --> 00:33:13,009
vision statement of the chiropractic

655
00:33:10,190 --> 00:33:16,970
professions peak body the chiropractor's

656

00:33:13,009 --> 00:33:19,849
Association of Australia CAA positions

657
00:33:16,970 --> 00:33:21,860
chiropractic as an alternative health

658
00:33:19,849 --> 00:33:25,849
care system distinct from the mainstream

659
00:33:21,859 --> 00:33:28,279
and aims to quote achieve a fundamental

660
00:33:25,849 --> 00:33:31,099
paradigm shift in the healthcare

661
00:33:28,279 --> 00:33:34,009
direction where chiropractic is

662
00:33:31,099 --> 00:33:36,459
recognized as the most cost efficient

663
00:33:34,009 --> 00:33:40,190
and effective health care regime of

664
00:33:36,460 --> 00:33:43,610
first choice and is readily accessible

665
00:33:40,190 --> 00:33:46,880
to all people end quote in an article on

666
00:33:43,609 --> 00:33:50,029
the choice website Karina Bray senior

667
00:33:46,880 --> 00:33:52,640
content producer health for choice laid

668
00:33:50,029 --> 00:33:55,069
out some of the issues associated with

669
00:33:52,640 --> 00:33:59,360
chiropractic and the differences between

670
00:33:55,069 --> 00:34:00,359

it and the GP profession apart from the

671

00:33:59,359 --> 00:34:02,599
level of qualification

672

00:34:00,359 --> 00:34:05,189
patient's these issues included the

673

00:34:02,599 --> 00:34:07,819
anti-vaccination stance of many

674

00:34:05,190 --> 00:34:10,398
chiropractors the potential for

675

00:34:07,819 --> 00:34:13,159
misdiagnosis and preventive

676

00:34:10,398 --> 00:34:17,519
manipulations which may cause problems

677

00:34:13,159 --> 00:34:21,030
where none previously existed the claim

678

00:34:17,519 --> 00:34:24,628
for chiropractic training oz Sid guide

679

00:34:21,030 --> 00:34:27,810
35 responded to braise article on the

680

00:34:24,628 --> 00:34:30,750
choice site with a comment that the

681

00:34:27,809 --> 00:34:32,878
article was biased with bray apparently

682

00:34:30,750 --> 00:34:35,429
showing a lack of understanding of what

683

00:34:32,878 --> 00:34:38,069
training chiropractors go through quote

684

00:34:35,429 --> 00:34:40,409
which is a full three-year bachelor's

685
00:34:38,070 --> 00:34:43,019
degree in science followed by a two

686
00:34:40,409 --> 00:34:45,300
years master's degree if anyone does

687
00:34:43,019 --> 00:34:48,050
some research instead of taking extreme

688
00:34:45,300 --> 00:34:50,909
biased views they can clearly see

689
00:34:48,050 --> 00:34:55,050
chiropractors do take extensive training

690
00:34:50,909 --> 00:34:57,420
and just as much as GPS in the science

691
00:34:55,050 --> 00:35:01,350
side of things the courses are very

692
00:34:57,420 --> 00:35:03,539
similar GPS require and the same as

693
00:35:01,349 --> 00:35:06,589
chiropractors courses in anatomy

694
00:35:03,539 --> 00:35:10,769
physiology physics chemistry

695
00:35:06,590 --> 00:35:12,990
biochemistry neural anatomy etc these

696
00:35:10,769 --> 00:35:15,780
courses do not differ they are not

697
00:35:12,989 --> 00:35:18,449
taught by anyone different either the

698
00:35:15,780 --> 00:35:21,540
person in question teaching the specific

699

00:35:18,449 --> 00:35:24,480
course has to have a degree in that

700

00:35:21,539 --> 00:35:26,550
specific course for example a bio

701

00:35:24,480 --> 00:35:29,190
chemistry teacher has to have a

702

00:35:26,550 --> 00:35:31,859
bachelor's of biochemistry with honors

703

00:35:29,190 --> 00:35:35,099
etc depending on the University of the

704

00:35:31,858 --> 00:35:37,619
min requirements hence some are better

705

00:35:35,099 --> 00:35:40,049
than others just like medicine both

706

00:35:37,619 --> 00:35:44,190
require a minimum though rest assured as

707

00:35:40,050 --> 00:35:47,340
per law chiropractors also learn ECG

708

00:35:44,190 --> 00:35:49,800
monitoring blood pressure etc that's why

709

00:35:47,340 --> 00:35:51,840
they can do this stuff also as you get

710

00:35:49,800 --> 00:35:55,019
taught this in anatomy and physiology

711

00:35:51,840 --> 00:35:58,320
second level the only parts where they

712

00:35:55,019 --> 00:36:01,380
differ is GPS branch off into getting

713

00:35:58,320 --> 00:36:03,780
training for drugs where chiropractors

714
00:36:01,380 --> 00:36:07,079
usually keep going with even more

715
00:36:03,780 --> 00:36:09,269
in-depth anatomy and physiology specific

716
00:36:07,079 --> 00:36:11,250
to what they deal with each day even the

717
00:36:09,269 --> 00:36:13,360
years of the same check out the

718
00:36:11,250 --> 00:36:16,360
Australian am a page

719
00:36:13,360 --> 00:36:19,360
takes four to six years chiropractic

720
00:36:16,360 --> 00:36:22,030
takes minimum five the medical does a

721
00:36:19,360 --> 00:36:24,370
further one year normally Hospital

722
00:36:22,030 --> 00:36:26,980
residency a chiropractic does this in

723
00:36:24,369 --> 00:36:30,190
addition to its normal studies for two

724
00:36:26,980 --> 00:36:33,639
years in their master's degree both are

725
00:36:30,190 --> 00:36:36,190
classified as doctors one is of medicine

726
00:36:33,639 --> 00:36:39,099
and prescribes drugs the other is a non

727
00:36:36,190 --> 00:36:41,980

drug prescribing profession both have

728

00:36:39,099 --> 00:36:46,299

their needs in society most nurses or

729

00:36:41,980 --> 00:36:49,150

MDS agree with this and quote oz Sid guy

730

00:36:46,300 --> 00:36:52,060

admits that quote more research is

731

00:36:49,150 --> 00:36:53,710

needed in quote but adds quote if people

732

00:36:52,059 --> 00:36:55,809

are getting a relief from this and there

733

00:36:53,710 --> 00:36:59,619

is a lack of scientific evidence around

734

00:36:55,809 --> 00:37:02,259

that does not mean it does not work just

735

00:36:59,619 --> 00:37:05,199

means we need more studies to show why

736

00:37:02,260 --> 00:37:08,170

it works in people that it does and how

737

00:37:05,199 --> 00:37:12,210

end quote there are many chiropractors

738

00:37:08,170 --> 00:37:16,599

who would share oz Sid guys and views

739

00:37:12,210 --> 00:37:20,079

unfortunately it's not true the reality

740

00:37:16,599 --> 00:37:22,839

of medical training mr. John Cunningham

741

00:37:20,079 --> 00:37:24,940

is an Australian trained orthopaedic

742
00:37:22,840 --> 00:37:27,550
surgeon who specializes in the treatment

743
00:37:24,940 --> 00:37:29,500
of spinal disorders he is a fellow of

744
00:37:27,550 --> 00:37:31,750
the Royal Australasian College of

745
00:37:29,500 --> 00:37:34,690
Surgeons and of the Australian

746
00:37:31,750 --> 00:37:37,389
orthopaedic association in the 2016

747
00:37:34,690 --> 00:37:40,990
Australia Day honors he was awarded a

748
00:37:37,389 --> 00:37:43,179
medal in the order of australia oam for

749
00:37:40,989 --> 00:37:46,750
services to medicine and to the

750
00:37:43,179 --> 00:37:49,960
promotion of immunization he suggests

751
00:37:46,750 --> 00:37:51,760
that oz Sid guys quote understanding of

752
00:37:49,960 --> 00:37:55,720
the chiropractic training and the

753
00:37:51,760 --> 00:37:58,330
training of GPS is considerably lacking

754
00:37:55,719 --> 00:38:00,759
and quota first start mr. Cunningham

755
00:37:58,329 --> 00:38:04,809
says a GP must complete a medical degree

756
00:38:00,760 --> 00:38:07,720
which these days is often a six to seven

757
00:38:04,809 --> 00:38:10,469
year program of medical sciences as well

758
00:38:07,719 --> 00:38:13,179
as clinical medicine it is taught by

759
00:38:10,469 --> 00:38:16,779
scientists specialized in the field as

760
00:38:13,179 --> 00:38:18,609
well as clinicians quote medical

761
00:38:16,780 --> 00:38:21,220
practitioners are taught evidence-based

762
00:38:18,610 --> 00:38:23,200
medicine meanwhile chiropractors are

763
00:38:21,219 --> 00:38:25,569
taught make-believe like gonstead

764
00:38:23,199 --> 00:38:27,139
pregnancy and pediatric chiropractic

765
00:38:25,570 --> 00:38:29,660
completely without ever

766
00:38:27,139 --> 00:38:32,210
medical students are not taught by

767
00:38:29,659 --> 00:38:34,519
chiropractors nor are chiropractors

768
00:38:32,210 --> 00:38:36,199
taught by medical practitioners the

769
00:38:34,519 --> 00:38:39,259
courses differ and they differ

770

00:38:36,199 --> 00:38:41,529
enormously how do I know because I did a

771
00:38:39,260 --> 00:38:44,210
science degree with chiropractors at

772
00:38:41,530 --> 00:38:46,580
University of New South Wales before

773
00:38:44,210 --> 00:38:49,130
completing a medical degree while their

774
00:38:46,579 --> 00:38:51,799
science degree was similar they only did

775
00:38:49,130 --> 00:38:53,599
one major degree in anatomy and so

776
00:38:51,800 --> 00:38:57,650
missed out on physiology and

777
00:38:53,599 --> 00:38:59,839
biochemistry just anatomy they were not

778
00:38:57,650 --> 00:39:02,389
exposed to nearly as much detail as the

779
00:38:59,840 --> 00:39:04,340
other subjects as medical students nor

780
00:39:02,389 --> 00:39:07,150
did they learn anything about human

781
00:39:04,340 --> 00:39:10,940
behavior microbiology or pharmacology

782
00:39:07,150 --> 00:39:13,940
just Anatomy to even suggest that

783
00:39:10,940 --> 00:39:16,400
chiropractors learn ECGs in the same

784
00:39:13,940 --> 00:39:19,400

detail as a medical practitioner is

785

00:39:16,400 --> 00:39:22,190

laughable making a claim that the two

786

00:39:19,400 --> 00:39:24,590

streams simply branch off is ridiculous

787

00:39:22,190 --> 00:39:28,099

they share no common ground to begin

788

00:39:24,590 --> 00:39:31,010

with and cannot branch off as aaahs Sid

789

00:39:28,099 --> 00:39:34,549

guy puts it and a medical degree is only

790

00:39:31,010 --> 00:39:36,680

the start GPS must complete a three-year

791

00:39:34,550 --> 00:39:39,320

vocational training pathway covering

792

00:39:36,679 --> 00:39:42,230

many aspects of Medicine not covered in

793

00:39:39,320 --> 00:39:45,170

detail in the undergraduate section of

794

00:39:42,230 --> 00:39:47,780

training as well as passing more exams

795

00:39:45,170 --> 00:39:51,050

and then a fellowship exam so we're up

796

00:39:47,780 --> 00:39:54,380

to ten years just now and I'll Sid guy

797

00:39:51,050 --> 00:39:57,680

things that were only about drugs what

798

00:39:54,380 --> 00:39:59,510

do g pc only the broadest range of

799

00:39:57,679 --> 00:40:02,509

conditions that can be treated with

800

00:39:59,510 --> 00:40:05,800

evidence-based medicine yes drugs are

801

00:40:02,510 --> 00:40:09,400

used but what about say an asthma plan

802

00:40:05,800 --> 00:40:11,810

diabetes counseling family planning

803

00:40:09,400 --> 00:40:15,050

psychiatric care end-of-life care

804

00:40:11,809 --> 00:40:18,469

pediatrics learning difficulties moscow

805

00:40:15,050 --> 00:40:21,289

skeletal complaints dermatology i could

806

00:40:18,469 --> 00:40:24,769

go on but to simplify things to the idea

807

00:40:21,289 --> 00:40:27,469

that quote old GPS do is prescribing

808

00:40:24,769 --> 00:40:29,300

drugs and quote is ludicrous a

809

00:40:27,469 --> 00:40:32,089

chiropractor is trained now at

810

00:40:29,300 --> 00:40:34,010

universities mr. Cunningham says but

811

00:40:32,090 --> 00:40:36,650

quote many aspects of their curriculum

812

00:40:34,010 --> 00:40:40,160

are not evidence-based simple as that

813
00:40:36,650 --> 00:40:43,910
and saying more research is needed

814
00:40:40,159 --> 00:40:46,038
is not the same as saying it works much

815
00:40:43,909 --> 00:40:47,899
research has already been done and the

816
00:40:46,039 --> 00:40:50,930
only thing that chiropractors can treat

817
00:40:47,900 --> 00:40:54,548
better than GPS is acute back pain and

818
00:40:50,929 --> 00:40:56,960
only then in a small subset of patients

819
00:40:54,548 --> 00:40:59,509
researching it more may provide more

820
00:40:56,960 --> 00:41:02,929
evidence for other conditions but it

821
00:40:59,510 --> 00:41:05,480
also may not once chickens should not be

822
00:41:02,929 --> 00:41:07,730
counted before they hatched suggesting

823
00:41:05,480 --> 00:41:09,829
that chiropractors can replace GPS

824
00:41:07,730 --> 00:41:11,838
because some of their subjects have the

825
00:41:09,829 --> 00:41:14,809
same broad title as each other is

826
00:41:11,838 --> 00:41:17,690
blatantly false you might make the same

827

00:41:14,809 --> 00:41:22,010
claim about physiotherapists osteopath

828
00:41:17,690 --> 00:41:24,650
nurses pharmacists and I could go on GPS

829
00:41:22,010 --> 00:41:28,460
have their place and that is as the

830
00:41:24,650 --> 00:41:31,068
primary family physician chiropractors

831
00:41:28,460 --> 00:41:33,079
should learn their place too and it's

832
00:41:31,068 --> 00:41:36,139
not where they think it is and quota and

833
00:41:33,079 --> 00:41:38,420
that was Cairo vs. GP who's more

834
00:41:36,139 --> 00:41:43,598
qualified written by Tim mendham

835
00:41:38,420 --> 00:41:43,599
published and ww skeptics calm

836
00:42:01,739 --> 00:42:03,799
you

837
00:42:08,099 --> 00:42:15,250
dr. Harriet hall md no into thousands as

838
00:42:12,190 --> 00:42:18,340
the skeptic a retired family physician

839
00:42:15,250 --> 00:42:20,409
and former Air Force flight surgeon she

840
00:42:18,340 --> 00:42:22,110
writes about medicine so called

841
00:42:20,409 --> 00:42:26,009

complementary and alternative medicine

842

00:42:22,110 --> 00:42:29,079

science banchory and critical thinking

843

00:42:26,010 --> 00:42:31,540

Harriet now has a free course a series

844

00:42:29,079 --> 00:42:34,690

of ten video lectures on science based

845

00:42:31,539 --> 00:42:36,730

medicine and alternative medicine the

846

00:42:34,690 --> 00:42:38,829

videos and an accompanying course guide

847

00:42:36,730 --> 00:42:42,789

can be found by following the link at

848

00:42:38,829 --> 00:42:46,809

skeptic dot info or by visiting web

849

00:42:42,789 --> 00:42:51,159

Randy's org slash educational dash

850

00:42:46,809 --> 00:42:54,279

modules dot HTML topics covered in the

851

00:42:51,159 --> 00:42:57,389

series are science-based medicine vs.

852

00:42:54,280 --> 00:43:00,810

evidence-based medicine what is cam

853

00:42:57,389 --> 00:43:04,000

chiropractic acupuncture homeopathy

854

00:43:00,809 --> 00:43:06,130

naturopathy and herbal medicine energy

855

00:43:04,000 --> 00:43:09,309

medicine miscellaneous alternatives

856
00:43:06,130 --> 00:43:12,599
pitfalls in research and science-based

857
00:43:09,309 --> 00:43:15,340
medicine in the media and politics

858
00:43:12,599 --> 00:43:17,920
Harriet covers each topic in a matter of

859
00:43:15,340 --> 00:43:23,610
fact no-nonsense way that sure to

860
00:43:17,920 --> 00:43:23,610
educate and entertain skeptic dot info

861
00:43:43,269 --> 00:43:47,690
thank you for listening to the skeptic

862
00:43:45,889 --> 00:43:49,480
zone coming up on next week's show I

863
00:43:47,690 --> 00:43:52,429
hope we can hear some more from our

864
00:43:49,480 --> 00:43:54,769
wonderful reporters Maynard don't forget

865
00:43:52,429 --> 00:43:56,839
to visit Maynard calm today you for his

866
00:43:54,769 --> 00:44:00,739
podcast bunga bunga and lots of other

867
00:43:56,840 --> 00:44:04,570
Maynard craziness Joe alabaster who has

868
00:44:00,739 --> 00:44:07,729
a blog at evidence please dot net and

869
00:44:04,570 --> 00:44:09,740
Joe does some wonderful reports for the

870
00:44:07,730 --> 00:44:11,750
skeptic zone I always look forward to

871
00:44:09,739 --> 00:44:14,209
evidence please with Joe alabaster and

872
00:44:11,750 --> 00:44:15,829
between you and me I think she's got one

873
00:44:14,210 --> 00:44:18,860
of the best speaking voices in the

874
00:44:15,829 --> 00:44:22,250
business in fact if you want a really

875
00:44:18,860 --> 00:44:24,769
cool voiceover artist Joe's your woman

876
00:44:22,250 --> 00:44:29,239
Heidi Robinson of course with the raw

877
00:44:24,769 --> 00:44:32,059
skeptic on her website the Northern

878
00:44:29,239 --> 00:44:35,299
Rivers vaccination supporters is at nrvs

879
00:44:32,059 --> 00:44:39,099
dot info also our good friend dr. hu

880
00:44:35,300 --> 00:44:42,670
who's a blog is the skeptics book at

881
00:44:39,099 --> 00:44:45,139
skeptics book.com spelt with the sea

882
00:44:42,670 --> 00:44:46,789
Iran's they gave of course with grain of

883
00:44:45,139 --> 00:44:48,710
salt chips in every now and then and

884

00:44:46,789 --> 00:44:50,599
well I guess you can go to the

885
00:44:48,710 --> 00:44:53,420
Australian skeptics website to find out

886
00:44:50,599 --> 00:44:54,949
more about Iran's again but what was I

887
00:44:53,420 --> 00:44:57,260
saying oh yes well next week I hope we

888
00:44:54,949 --> 00:45:01,210
hear a report from one of our or even

889
00:44:57,260 --> 00:45:03,410
more of our wonderful report isn't

890
00:45:01,210 --> 00:45:06,710
thanks to the people who write to our

891
00:45:03,409 --> 00:45:09,009
reporters and congratulate them or us

892
00:45:06,710 --> 00:45:11,329
for their advice about different things

893
00:45:09,010 --> 00:45:13,820
it's part of the reason they're on the

894
00:45:11,329 --> 00:45:17,119
skeptic zone but for this week with

895
00:45:13,820 --> 00:45:20,570
what's that I hear outside yeah rain

896
00:45:17,119 --> 00:45:22,849
coming down on the roof once again great

897
00:45:20,570 --> 00:45:25,070
but for this week this is Richard

898
00:45:22,849 --> 00:45:27,099

Saunders signing off from Sydney

899

00:45:25,070 --> 00:45:27,100

Australia

900

00:45:29,329 --> 00:45:35,519

you've been listening to the skeptics

901

00:45:31,768 --> 00:45:38,429

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902

00:45:35,518 --> 00:45:41,848

petting zoo TV for contacts an archive

903

00:45:38,429 --> 00:45:44,578

of all episodes since 2008 and our

904

00:45:41,849 --> 00:45:46,490

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00:45:46,489 --> 00:45:53,278

skeptic zone liking us on facebook and

907

00:45:49,650 --> 00:45:55,470

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908

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909

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910

00:45:58,639 --> 00:46:03,028

the skeptic zone is an independent

911

00:46:01,409 --> 00:46:05,489

production the views and opinions

912

00:46:03,028 --> 00:46:07,528

expressed on the skeptic zone and not

913

00:46:05,489 --> 00:46:12,768

necessarily those of a strange skeptic

914

00:46:07,528 --> 00:46:12,768

tea or any other skeptical organization

915

00:46:13,550 --> 00:46:15,580

Oh