

The Skeptic Zone
Show 387 - 20 March 2016



Chiropractic

1
00:00:21,870 --> 00:00:09,090
welcome to the skeptic zone the podcast

2
00:00:28,179 --> 00:00:24,370
hello and welcome to the skeptic zone

3
00:00:31,659 --> 00:00:28,189
episode number 387 for the twentieth of

4
00:00:34,509 --> 00:00:31,669
March 2016 Richard Saunders here with

5
00:00:36,369 --> 00:00:34,519
you from Sydney Australia it rained yes

6
00:00:39,670 --> 00:00:36,379
well it's been raining for a few days on

7
00:00:42,369 --> 00:00:39,680
and off and today the weather was

8
00:00:44,530 --> 00:00:42,379
actually nice and pleasant what a change

9
00:00:46,270 --> 00:00:44,540
now i know people listening around the

10
00:00:50,110 --> 00:00:46,280
world only tune in to the skeptic zone

11
00:00:52,539 --> 00:00:50,120
to hear the sydney forecaster mmm but it

12
00:00:54,700 --> 00:00:52,549
certainly makes a pleasant change to

13
00:00:58,149 --> 00:00:54,710

have the weather cool a little bit

14

00:01:02,829 --> 00:00:58,159

cooler it's a it's quite nice I hope it

15

00:01:04,630 --> 00:01:02,839

lasts until next summer well at least

16

00:01:06,550 --> 00:01:04,640

for a few more days so I can enjoy this

17

00:01:09,130 --> 00:01:06,560

cool change yes that would be very nice

18

00:01:10,450 --> 00:01:09,140

now for those of you who don't tune into

19

00:01:12,609 --> 00:01:10,460

the skeptic zone to hear the Sydney

20

00:01:16,120 --> 00:01:12,619

weather forecast what's coming up this

21

00:01:18,730 --> 00:01:16,130

week we're going to start with a quick

22

00:01:22,510 --> 00:01:18,740

update a little update nova story we

23

00:01:24,550 --> 00:01:22,520

brought you some time ago about a PhD

24

00:01:26,399 --> 00:01:24,560

awarded by the University of Wollongong

25

00:01:29,410 --> 00:01:26,409

for a thesis which was broadly speaking

26

00:01:31,149 --> 00:01:29,420

anti-vaccination now there are a lot of

27

00:01:34,090 --> 00:01:31,159

things happening behind the scenes with

28

00:01:37,719 --> 00:01:34,100

this story but a small update at the

29

00:01:41,380 --> 00:01:37,729

beginning of the show with a vote of

30

00:01:44,399 --> 00:01:41,390

thanks to the reasonable Hank blog and

31

00:01:47,830 --> 00:01:44,409

reasonable Hank com for the information

32

00:01:49,240 --> 00:01:47,840

our reasonable Hank the anti-vaxxers

33

00:01:51,010 --> 00:01:49,250

seemed to think he's all sorts of people

34

00:01:54,280 --> 00:01:51,020

it reminds me of that scene at the end

35

00:01:57,160 --> 00:01:54,290

of a movie Spartacus and I all stand up

36

00:01:58,750 --> 00:01:57,170

and say I am Spartacus was about a

37

00:02:01,420 --> 00:01:58,760

hundred people standing up at the moment

38

00:02:02,969 --> 00:02:01,430

saying I am reasonable Hank all

39

00:02:06,700 --> 00:02:02,979

according to the only vaxors anyway

40

00:02:10,270 --> 00:02:06,710

after that we have a little review a

41

00:02:12,039 --> 00:02:10,280

little look at the current issue of the

42

00:02:13,479 --> 00:02:12,049

skeptic magazine the journal from

43

00:02:15,850 --> 00:02:13,489

Australian skeptics which we mentioned

44

00:02:18,190 --> 00:02:15,860

from time to time on the skeptic zone I

45

00:02:20,949 --> 00:02:18,200

am a member of Australian skeptics of

46

00:02:23,500 --> 00:02:20,959

course and I do write articles for the

47

00:02:25,509 --> 00:02:23,510

magazine so I thought I'd just outlet

48

00:02:28,420 --> 00:02:25,519

you know what's in the current issue if

49

00:02:30,220 --> 00:02:28,430

you care to subscribe entirely up to you

50

00:02:32,860 --> 00:02:30,230

but I think it's a good magazine

51
00:02:33,910 --> 00:02:32,870
regardless and then after that we get to

52
00:02:35,380 --> 00:02:33,920
the the feature

53
00:02:38,260 --> 00:02:35,390
item in this week's episode of the

54
00:02:39,880 --> 00:02:38,270
skeptic zone all about chiropractic now

55
00:02:42,960 --> 00:02:39,890
you might remember last week we read a

56
00:02:46,210 --> 00:02:42,970
piece on the show about chiropractors

57
00:02:49,270 --> 00:02:46,220
having to or being asked or being forced

58
00:02:51,000 --> 00:02:49,280
to Don whatever it is really are to toe

59
00:02:55,000 --> 00:02:51,010
the line to stop making outrageous

60
00:02:56,559 --> 00:02:55,010
claims this week's report is is all

61
00:02:59,740 --> 00:02:56,569
about outrageous claims actually

62
00:03:05,320 --> 00:02:59,750
focusing on the God extend form of

63
00:03:08,309 --> 00:03:05,330

Chiropractic and a very disturbing clip

64

00:03:12,039 --> 00:03:08,319

and audio clip from a video where a baby

65

00:03:14,620 --> 00:03:12,049

gets its back manipulated but we'll get

66

00:03:16,420 --> 00:03:14,630

to that later on in that report and i'll

67

00:03:19,500 --> 00:03:16,430

also be reading a piece from the

68

00:03:22,960 --> 00:03:19,510

Australian skeptics website about GP

69

00:03:24,640 --> 00:03:22,970

training versus chiropractic training

70

00:03:26,710 --> 00:03:24,650

now I have an interesting history with

71

00:03:31,920 --> 00:03:26,720

chiropractic myself and maybe some of

72

00:03:37,150 --> 00:03:31,930

you can relate to this when I was I'm

73

00:03:39,130 --> 00:03:37,160

imagine about eleven ten turning 11

74

00:03:42,030 --> 00:03:39,140

something about that its all lost sin

75

00:03:45,729 --> 00:03:42,040

that in the midst of time a little bit I

76

00:03:51,490 --> 00:03:45,739

was the subject of a beating in the

77

00:03:53,650 --> 00:03:51,500

schoolyard where a classmate who again

78

00:03:57,640 --> 00:03:53,660

that sort of lost in the mists of time I

79

00:04:01,840 --> 00:03:57,650

can't remember exactly who it was ran up

80

00:04:04,500 --> 00:04:01,850

behind me jumped on me from behind as it

81

00:04:09,910 --> 00:04:04,510

were forcing me to the ground boom

82

00:04:13,000 --> 00:04:09,920

luckily it was on the grass i sat on my

83

00:04:16,270 --> 00:04:13,010

back in some sort of fashion grabbed my

84

00:04:20,469 --> 00:04:16,280

hair pulled my head up and beat me on

85

00:04:23,020 --> 00:04:20,479

the face yes it was a horrible

86

00:04:26,310 --> 00:04:23,030

experience especially for a living year

87

00:04:29,830 --> 00:04:26,320

old kid the immediate result was

88

00:04:32,650 --> 00:04:29,840

bruising to the face black eyes that

89

00:04:35,650 --> 00:04:32,660

sort of thing but what I didn't know at

90

00:04:37,870 --> 00:04:35,660

the time was the long-term result was

91

00:04:39,529 --> 00:04:37,880

whiplash when he grabbed my hair and

92

00:04:42,900 --> 00:04:39,539

jerked my head back I

93

00:04:46,370 --> 00:04:42,910

receive some injury to the vertebrae in

94

00:04:49,110 --> 00:04:46,380

my neck over the next month's this

95

00:04:52,800 --> 00:04:49,120

turned out to be a very agonizing

96

00:04:57,150 --> 00:04:52,810

problem for me with a noticeable love

97

00:05:02,610 --> 00:04:57,160

which I can still feel to this very day

98

00:05:07,710 --> 00:05:02,620

some 40 years later on the back of my

99

00:05:11,249 --> 00:05:07,720

neck and it led to awful pain and again

100

00:05:13,740 --> 00:05:11,259

you put yourself in the context of a 11

101
00:05:16,170 --> 00:05:13,750
year old who is waking up with

102
00:05:18,740 --> 00:05:16,180
indescribable pain and confusion and not

103
00:05:25,890 --> 00:05:18,750
sure what's going on and that in turn

104
00:05:28,560 --> 00:05:25,900
led to migraines very unpleasant now you

105
00:05:30,300 --> 00:05:28,570
know these things happen kids get beaten

106
00:05:33,510 --> 00:05:30,310
up in the schoolyard and I'm sure if the

107
00:05:36,060 --> 00:05:33,520
kid who did this to me would have known

108
00:05:37,620 --> 00:05:36,070
long-term consequences it might have

109
00:05:40,350 --> 00:05:37,630
been a different story let's not worry

110
00:05:43,320 --> 00:05:40,360
about that the point is that I had

111
00:05:45,300 --> 00:05:43,330
terrible pain and migraines resulting

112
00:05:50,790 --> 00:05:45,310
from this neck injury which was an

113
00:05:53,189 --> 00:05:50,800

undiagnosed whiplash so again relying on

114

00:05:55,409 --> 00:05:53,199

my memory I guess within the year or

115

00:05:58,980 --> 00:05:55,419

maybe a year or two later it's hard to

116

00:06:01,709 --> 00:05:58,990

remember i was going to doctor to the GP

117

00:06:03,270 --> 00:06:01,719

to see about this neck problem and the

118

00:06:07,320 --> 00:06:03,280

best he did at the time was giving me

119

00:06:09,779 --> 00:06:07,330

pain killers so the underlying problem

120

00:06:11,670 --> 00:06:09,789

wasn't really addressed at the time my

121

00:06:13,830 --> 00:06:11,680

dad at the time also happened to be

122

00:06:16,529 --> 00:06:13,840

suffering from back issues and was

123

00:06:19,770 --> 00:06:16,539

seeing a chiropractor he took me along

124

00:06:21,330 --> 00:06:19,780

and I remember many times going to the

125

00:06:23,999 --> 00:06:21,340

chiropractor and lying down on the table

126

00:06:27,709 --> 00:06:24,009

the chiropractor cradling my head as

127

00:06:30,810 --> 00:06:27,719

they do and with a sudden jerking motion

128

00:06:34,589 --> 00:06:30,820

went my neck and I found I had a bit

129

00:06:37,110 --> 00:06:34,599

more movement and yes that happened

130

00:06:39,149 --> 00:06:37,120

numerous times but I seem to remember

131

00:06:42,480 --> 00:06:39,159

they were short-term relief or at least

132

00:06:44,730 --> 00:06:42,490

I could sense i had more movement in my

133

00:06:47,550 --> 00:06:44,740

neck unfortunately the migraines

134

00:06:51,209 --> 00:06:47,560

persisted and it wasn't until i was

135

00:06:52,530 --> 00:06:51,219

really in my late 20s or 30s that they

136

00:06:56,370 --> 00:06:52,540

became very

137

00:07:00,530 --> 00:06:56,380

rare and now I I hardly ever get them

138

00:07:05,070 --> 00:07:00,540

all which is very nice but for a kid

139

00:07:09,270 --> 00:07:05,080

growing up 11 12 13 14 15 having regular

140

00:07:11,670 --> 00:07:09,280

migraines was unpleasant to say the

141

00:07:14,070 --> 00:07:11,680

least and those of you out there who get

142

00:07:16,220 --> 00:07:14,080

migraines know what I'm talking about

143

00:07:18,630 --> 00:07:16,230

and those who have never had a migraine

144

00:07:21,300 --> 00:07:18,640

well it's just one of those things that

145

00:07:23,400 --> 00:07:21,310

you can't adequately describe well this

146

00:07:26,940 --> 00:07:23,410

is a long-winded way long sort of story

147

00:07:29,460 --> 00:07:26,950

to put it to you that at the time when i

148

00:07:34,530 --> 00:07:29,470

went to see chiropractors and i did so

149

00:07:38,100 --> 00:07:34,540

into my 20s I had no thought that they

150

00:07:43,080 --> 00:07:38,110

weren't legitimate if you follow my

151
00:07:47,510 --> 00:07:43,090
meaning I simply assumed they were a

152
00:07:52,020 --> 00:07:47,520
special field of medicine doctors with a

153
00:07:55,080 --> 00:07:52,030
who specialize in something in this case

154
00:07:56,280 --> 00:07:55,090
back problems and nerve problems I mean

155
00:07:59,520 --> 00:07:56,290
when you're a little kid and your dad

156
00:08:01,950 --> 00:07:59,530
takes you to a clinic and there's a guy

157
00:08:03,930 --> 00:08:01,960
who is just like a doctor in all other

158
00:08:07,230 --> 00:08:03,940
respects with the white coat et cetera

159
00:08:08,640 --> 00:08:07,240
in a consulting room treats you that's

160
00:08:10,890 --> 00:08:08,650
exactly what you think and I had no

161
00:08:13,230 --> 00:08:10,900
reason to believe otherwise so this is

162
00:08:16,320 --> 00:08:13,240
why it comes as something of a shock or

163
00:08:18,330 --> 00:08:16,330

surprise or people have amused when they

164

00:08:21,720 --> 00:08:18,340

discover there are people who are

165

00:08:25,170 --> 00:08:21,730

skeptical of the claims of chiropractic

166

00:08:27,570 --> 00:08:25,180

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

167

00:08:29,580 --> 00:08:27,580

people who go to chiropractors and will

168

00:08:31,170 --> 00:08:29,590

swear by them black and blue that they

169

00:08:33,089 --> 00:08:31,180

absolutely work and they're fine and the

170

00:08:36,980 --> 00:08:33,099

Internet I've just had a look on youtube

171

00:08:38,850 --> 00:08:36,990

is full of people with glowing

172

00:08:41,420 --> 00:08:38,860

testimonials and endorsements and in

173

00:08:45,000 --> 00:08:41,430

fact I even ran a search for

174

00:08:47,520 --> 00:08:45,010

chiropractic and skeptic just those two

175

00:08:51,420 --> 00:08:47,530

words on YouTube and its case after case

176

00:08:54,030 --> 00:08:51,430

of videos titled was skeptical of

177

00:08:56,760 --> 00:08:54,040

chiropractic or skeptic converted with

178

00:08:59,880 --> 00:08:56,770

chiropractic and so on and so forth but

179

00:09:01,290 --> 00:08:59,890

as we remember that testimonials aren't

180

00:09:03,920 --> 00:09:01,300

worth the paper they're not written on

181

00:09:06,360 --> 00:09:03,930

and testimonials are not evidence etc

182

00:09:07,800 --> 00:09:06,370

keep all that in mind a bit late

183

00:09:12,240 --> 00:09:07,810

in the show when you're hearing the

184

00:09:16,620 --> 00:09:12,250

report on on chiropractic that for many

185

00:09:19,829 --> 00:09:16,630

people it's just it's not exactly beyond

186

00:09:20,700 --> 00:09:19,839

question the question doesn't come into

187

00:09:22,470 --> 00:09:20,710

their heads that they should be

188

00:09:27,180 --> 00:09:22,480

skeptical of chiropractic or so just

189

00:09:31,140 --> 00:09:27,190

accept it as a normal medical speciality

190

00:09:35,130 --> 00:09:31,150

true well after that tale of woe from my

191

00:09:38,000 --> 00:09:35,140

arch from my childhood it's all right

192

00:09:41,100 --> 00:09:38,010

now I hardly get any migraines I promise

193

00:09:42,600 --> 00:09:41,110

which is a great relief anyway I'm going

194

00:09:43,950 --> 00:09:42,610

to run downstairs and I'm going to have

195

00:09:45,390 --> 00:09:43,960

a bit of chocolate cuz it's nearly

196

00:09:47,550 --> 00:09:45,400

Easter time and I don't care what

197

00:09:49,050 --> 00:09:47,560

anybody says I do enjoy chocolate at

198

00:09:50,780 --> 00:09:49,060

east or any time of the year I like

199

00:09:53,519 --> 00:09:50,790

white chocolate dark chocolate in

200

00:09:55,079 --> 00:09:53,529

between chocolate or more bit of both or

201
00:09:57,240 --> 00:09:55,089
whatever it is I think I have some in

202
00:09:59,610 --> 00:09:57,250
the fridge i'm going to run down run

203
00:10:01,769 --> 00:09:59,620
downstairs open up the fridge find that

204
00:10:23,880 --> 00:10:01,779
chocolate and while i'm munching that i

205
00:10:29,230 --> 00:10:27,070
here's a slight update to a story we

206
00:10:33,430 --> 00:10:29,240
brought you some weeks or wasn't even

207
00:10:37,270 --> 00:10:33,440
months ago where Julie why Lehman now

208
00:10:39,250 --> 00:10:37,280
dr. Julie why Lehman PhD received her

209
00:10:42,630 --> 00:10:39,260
PhD from the University of Wollongong

210
00:10:46,840 --> 00:10:42,640
for a thesis that has been broadly

211
00:10:49,060 --> 00:10:46,850
called an anti-vaccination piece this

212
00:10:51,970 --> 00:10:49,070
led to many articles across the media

213
00:10:54,100 --> 00:10:51,980

condemning the situation the awarding of

214

00:10:56,700 --> 00:10:54,110

this PhD and it's a continuing story

215

00:11:00,040 --> 00:10:56,710

doctor while even now has a online

216

00:11:02,920 --> 00:11:00,050

newsletter and I quote from newsletter

217

00:11:05,740 --> 00:11:02,930

100 Australian politicians presenting

218

00:11:08,680 --> 00:11:05,750

myths about vaccination we're towards

219

00:11:10,900 --> 00:11:08,690

the end of the newsletter it says in

220

00:11:13,690 --> 00:11:10,910

Australia the whooping cough vaccine is

221

00:11:15,280 --> 00:11:13,700

promoted on anecdotal evidence parents

222

00:11:17,790 --> 00:11:15,290

promoting the death of their child to

223

00:11:20,380 --> 00:11:17,800

whooping cough and lobby groups such as

224

00:11:22,450 --> 00:11:20,390

Australian skeptics who have many

225

00:11:25,330 --> 00:11:22,460

supporters in the stop the Australian

226

00:11:28,480 --> 00:11:25,340

vaccination Network Facebook page have

227

00:11:30,460 --> 00:11:28,490

provided awards to these parents for

228

00:11:32,410 --> 00:11:30,470

their efforts Australian parents are not

229

00:11:35,080 --> 00:11:32,420

promoting vaccines for awards or

230

00:11:37,120 --> 00:11:35,090

financial gain but it is important for

231

00:11:39,670 --> 00:11:37,130

the community to know that they receive

232

00:11:42,640 --> 00:11:39,680

financial rewards from probe vaccine

233

00:11:44,500 --> 00:11:42,650

lobby groups for their efforts public

234

00:11:46,690 --> 00:11:44,510

health policy is not designed on

235

00:11:48,610 --> 00:11:46,700

anecdotal evidence Australian should

236

00:11:51,070 --> 00:11:48,620

also know that medical practitioners

237

00:11:52,750 --> 00:11:51,080

receive thousands of dollars in grants

238

00:11:54,880 --> 00:11:52,760

from pharmaceutical companies to

239

00:11:56,650 --> 00:11:54,890

increase the vaccination rates of their

240

00:11:59,290 --> 00:11:56,660

practices please consider these

241

00:12:01,270 --> 00:11:59,300

conflicts of interest in the public

242

00:12:03,430 --> 00:12:01,280

health policy and consider all the

243

00:12:06,280 --> 00:12:03,440

medical literature or the absence of

244

00:12:09,910 --> 00:12:06,290

evidence when you decide to vaccinate

245

00:12:14,920 --> 00:12:09,920

yourself or your child dr. Julie why

246

00:12:17,500 --> 00:12:14,930

Lehman www.vaccinationdecisions.net now

247

00:12:20,020 --> 00:12:17,510

these financial rewards that dr. volumen

248

00:12:22,150 --> 00:12:20,030

talks about with regard to the

249

00:12:24,370 --> 00:12:22,160

Australian skeptics is that we awarded

250

00:12:27,490 --> 00:12:24,380

the Australian skeptics that is awarded

251
00:12:31,360 --> 00:12:27,500
the parents of baby Riley who died from

252
00:12:35,140 --> 00:12:31,370
whooping cough the Fred fournette award

253
00:12:37,090 --> 00:12:35,150
which we do most years for people who

254
00:12:39,460 --> 00:12:37,100
are in the general community promote

255
00:12:42,760 --> 00:12:39,470
science and good reason the parents of

256
00:12:45,850 --> 00:12:42,770
baby Riley donated the money associated

257
00:12:48,970 --> 00:12:45,860
with the Fred proponent prize to charity

258
00:13:07,449 --> 00:12:48,980
more on this continuing story as it

259
00:13:12,749 --> 00:13:10,809
hi this is Heidi Robertson from the

260
00:13:15,629 --> 00:13:12,759
Northern Rivers vaccination supporters

261
00:13:18,220 --> 00:13:15,639
we are a group of concerned citizens

262
00:13:20,829 --> 00:13:18,230
dedicated to promoting good science and

263
00:13:23,859 --> 00:13:20,839

common sense in our region the far north

264

00:13:25,660 --> 00:13:23,869

coast of New South Wales this area are

265

00:13:28,689 --> 00:13:25,670

famous for its natural beauty and

266

00:13:32,290 --> 00:13:28,699

relaxed lifestyle also has the lowest

267

00:13:34,389 --> 00:13:32,300

rates of vaccination in Australia we are

268

00:13:36,819 --> 00:13:34,399

out to change that by challenging the

269

00:13:38,290 --> 00:13:36,829

myths and misinformation and by

270

00:13:41,769 --> 00:13:38,300

providing good evidence-based

271

00:13:43,660 --> 00:13:41,779

information to the community we'd love

272

00:13:47,290 --> 00:13:43,670

for you no matter where you are in the

273

00:13:54,879 --> 00:13:47,300

world to join our fight please visit our

274

00:13:57,699 --> 00:13:54,889

webpage at [ww.nrvs.info](#) we also have a

275

00:14:02,019 --> 00:13:57,709

link there to our Facebook page tweet us

276

00:14:04,629 --> 00:14:02,029

at in our vax supporters that's vix and

277

00:14:07,269 --> 00:14:04,639

check us out on Wikipedia by searching

278

00:14:24,770 --> 00:14:07,279

for Northern Rivers vaccination

279

00:14:30,210 --> 00:14:27,740

now you often hear me talking about

280

00:14:32,250 --> 00:14:30,220

items and articles and bits and pieces

281

00:14:33,750 --> 00:14:32,260

from the Australian skeptics I am in the

282

00:14:37,020 --> 00:14:33,760

Australian skeptics so that's no

283

00:14:39,000 --> 00:14:37,030

surprise and you'll often hear on the

284

00:14:42,300 --> 00:14:39,010

skeptic zone talk of the skeptic

285

00:14:44,610 --> 00:14:42,310

magazine the Journal of Australian

286

00:14:49,530 --> 00:14:44,620

skeptics which has been in publication

287

00:14:52,710 --> 00:14:49,540

now for 36 years I have here in my hands

288

00:14:55,710 --> 00:14:52,720

the latest issue of the skeptic water

289

00:14:59,480 --> 00:14:55,720

dramatic covered has it's a sort of an

290

00:15:04,140 --> 00:14:59,490

ancient Egyptian sphinx type mummy type

291

00:15:05,790 --> 00:15:04,150

sarcophagus picture to do with one of

292

00:15:08,280 --> 00:15:05,800

the stories in the magazine Dark Ages

293

00:15:11,490 --> 00:15:08,290

and Pharaohs but there's much more in

294

00:15:14,310 --> 00:15:11,500

this current issue which is volume 36

295

00:15:18,060 --> 00:15:14,320

number 14 March 2016 some of the reports

296

00:15:20,960 --> 00:15:18,070

covered in this issue are the ABC TV

297

00:15:26,370 --> 00:15:20,970

catalyst program and their wife ride

298

00:15:28,410 --> 00:15:26,380

Fiasco the awarding of a PhD for

299

00:15:31,170 --> 00:15:28,420

anti-vaccination by the University of

300

00:15:34,080 --> 00:15:31,180

Wollongong more from ancient history Oh

301
00:15:36,570 --> 00:15:34,090
an article by longtime skeptic and

302
00:15:39,480 --> 00:15:36,580
former editor of the skeptic magazine

303
00:15:42,000 --> 00:15:39,490
Barry Williams we have articles by steve

304
00:15:45,210 --> 00:15:42,010
roberts about planets and outer space

305
00:15:46,590 --> 00:15:45,220
the article by me and dr. chrissy wilson

306
00:15:49,140 --> 00:15:46,600
which you can download for free at

307
00:15:52,250 --> 00:15:49,150
skeptics calm today you the medium

308
00:15:55,680 --> 00:15:52,260
neither read nor well done where we

309
00:15:59,820 --> 00:15:55,690
analyze the cold reading or the reading

310
00:16:02,580 --> 00:15:59,830
maybe i should say of psychic lisa

311
00:16:08,100 --> 00:16:02,590
williams an article by our very own joe

312
00:16:10,920 --> 00:16:08,110
alabasta about black salv and so much

313
00:16:14,250 --> 00:16:10,930

more it's a worthwhile magazine you can

314

00:16:16,620 --> 00:16:14,260

subscribe and have it posted to you you

315

00:16:18,780 --> 00:16:16,630

can read it in the buff or on the train

316

00:16:20,970 --> 00:16:18,790

or whatever the case may be or as many

317

00:16:24,120 --> 00:16:20,980

people are doing for half the price you

318

00:16:28,110 --> 00:16:24,130

can have it delivered to your inbox as a

319

00:16:31,170 --> 00:16:28,120

PDF and will I enjoy getting the paper

320

00:16:31,820 --> 00:16:31,180

copy myself but i also have a copy on my

321

00:16:35,990 --> 00:16:31,830

ipad

322

00:16:38,180 --> 00:16:36,000

or for ease of reading that's the

323

00:16:40,910 --> 00:16:38,190

skeptic magazine you can subscribe at

324

00:16:43,430 --> 00:16:40,920

skeptics calm today you and just

325

00:16:45,980 --> 00:16:43,440

noticing in the skeptic magazine there's

326

00:16:48,230 --> 00:16:45,990

a little blurb there for the upcoming

327

00:16:50,810 --> 00:16:48,240

Australian skeptics national convention

328

00:16:52,550 --> 00:16:50,820

the 32nd national convention now this

329

00:16:54,820 --> 00:16:52,560

will be in Melbourne wonderful melbourne

330

00:16:58,280 --> 00:16:54,830

on the twenty-fifth to the 27th of

331

00:17:01,880 --> 00:16:58,290

november 2016 although the tickets won't

332

00:17:03,950 --> 00:17:01,890

go on sale until june it's worth putting

333

00:17:08,240 --> 00:17:03,960

those dates aside in your calendar

334

00:17:11,630 --> 00:17:08,250

already slated to appear our lawrence

335

00:17:13,370 --> 00:17:11,640

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

336

00:17:15,620 --> 00:17:13,380

fun i really enjoy the australian

337

00:17:17,240 --> 00:17:15,630

skeptics conventions one of the thing i

338

00:17:20,570 --> 00:17:17,250

love about them is the awarding of the

339

00:17:24,430 --> 00:17:20,580

bent spoon award so there you are the

340

00:17:28,400 --> 00:17:24,440

latest issue of the skeptic magazine as

341

00:17:51,810 --> 00:17:28,410

compiled and edited by our very own Tim

342

00:17:57,790 --> 00:17:54,850

hello Richard and all the listeners of

343

00:18:00,730 --> 00:17:57,800

skeptic zone my name is Ron levy and I'm

344

00:18:02,620 --> 00:18:00,740

the producer and co-host of curious mind

345

00:18:09,550 --> 00:18:02,630

it's a podcast about science technology

346

00:18:11,770 --> 00:18:09,560

and history at wwc em-pod cmp OD dot net

347

00:18:13,990 --> 00:18:11,780

each episode will bring you interesting

348

00:18:17,080 --> 00:18:14,000

stories from a wide range of subjects

349

00:18:19,510 --> 00:18:17,090

from physics astronomy and medicine from

350

00:18:21,340 --> 00:18:19,520

arts to science fiction we strive for

351

00:18:23,740 --> 00:18:21,350

the highest production values both in

352

00:18:26,470 --> 00:18:23,750

content and in delivery we already have

353

00:18:28,990 --> 00:18:26,480

on the air episodes about German u-boats

354

00:18:32,050 --> 00:18:29,000

in Second World War about the history of

355

00:18:35,250 --> 00:18:32,060

x-rays and the war of currents between

356

00:18:55,879 --> 00:18:35,260

Tesla and Edison come and have a listen

357

00:19:01,470 --> 00:18:59,009

on last week's skeptic zone I read a

358

00:19:04,489 --> 00:19:01,480

piece by Kidd momentum the editor of the

359

00:19:07,830 --> 00:19:04,499

skeptic magazine here in Australia about

360

00:19:11,190 --> 00:19:07,840

chiropractors and their requirements to

361

00:19:13,350 --> 00:19:11,200

toe the line as it were to operate under

362

00:19:15,600 --> 00:19:13,360

the guidelines of the various

363

00:19:17,580 --> 00:19:15,610

chiropractic boards now in a few moments

364

00:19:20,759 --> 00:19:17,590

i'll be reading another piece by tim

365

00:19:23,430 --> 00:19:20,769

mendham about chiropractic versus GP

366

00:19:25,710 --> 00:19:23,440

when it comes to their training how much

367

00:19:27,930 --> 00:19:25,720

training does a GP receive compared to

368

00:19:30,419 --> 00:19:27,940

how much training a chiropractor

369

00:19:33,229 --> 00:19:30,429

receives also in a moment I'll be

370

00:19:35,940 --> 00:19:33,239

playing some clips I've found on YouTube

371

00:19:39,210 --> 00:19:35,950

with some various claims made by

372

00:19:43,769 --> 00:19:39,220

chiropractors and even the sound of a

373

00:19:45,539 --> 00:19:43,779

baby's spine being manipulated more of

374

00:19:47,279 --> 00:19:45,549

that in a moment but for a sort of an

375

00:19:50,899 --> 00:19:47,289

overview of chiropractic I thought I

376

00:19:55,049 --> 00:19:50,909

would read from the course guide notes

377

00:19:57,479 --> 00:19:55,059

from dr. Harriet Hall regular skeptic

378

00:19:59,899 --> 00:19:57,489

zone listeners will know that I play

379

00:20:02,669 --> 00:19:59,909

promotional clips for dr. Harriet halls

380

00:20:05,220 --> 00:20:02,679

series on science-based medicine and

381

00:20:07,489 --> 00:20:05,230

various alternative medicine modalities

382

00:20:11,159 --> 00:20:07,499

it's an excellent video series and

383

00:20:14,220 --> 00:20:11,169

indeed we interviewed dr. all about this

384

00:20:17,639 --> 00:20:14,230

series on episode 372 which was

385

00:20:20,599 --> 00:20:17,649

broadcast podcast on the 6th December

386

00:20:23,190 --> 00:20:20,609

2015 worth going into the archives and

387

00:20:25,919 --> 00:20:23,200

revisiting that interview so from the

388

00:20:29,129 --> 00:20:25,929

course guide notes for the segment on

389

00:20:31,379 --> 00:20:29,139

chiropractic we read false claims these

390

00:20:34,440 --> 00:20:31,389

are false claims made by chiropractic

391

00:20:36,840 --> 00:20:34,450

chiropractic is a science chiropractic

392

00:20:40,349 --> 00:20:36,850

is based on neurology anatomy and

393

00:20:43,769 --> 00:20:40,359

physiology chiropractors and doctors of

394

00:20:48,169 --> 00:20:43,779

the nervous system chiropractic improves

395

00:20:51,599 --> 00:20:48,179

health and quality of life in reality

396

00:20:56,669 --> 00:20:51,609

invented by a grocer all by himself in a

397

00:20:59,340 --> 00:20:56,679

single day September the 18th 1895 DD

398

00:21:02,759 --> 00:20:59,350

parmer believed all illness was caused

399

00:21:05,599 --> 00:21:02,769

by bones out of place he extrapolated

400

00:21:08,790 --> 00:21:05,609

from a single case based on a

401
00:21:11,480 --> 00:21:08,800
misunderstanding of anatomy base

402
00:21:15,180 --> 00:21:11,490
on false theory the mythical

403
00:21:18,420 --> 00:21:15,190
chiropractic subluxation impairment of

404
00:21:21,570 --> 00:21:18,430
nerve flow interference with a mystical

405
00:21:23,390 --> 00:21:21,580
vital istic power in eight that

406
00:21:27,110 --> 00:21:23,400
maintains health chiropractic

407
00:21:30,930 --> 00:21:27,120
manipulation can have adverse effects

408
00:21:34,040 --> 00:21:30,940
strokes from back manipulation broken

409
00:21:37,770 --> 00:21:34,050
bones hemorrhage herniated discs

410
00:21:40,670 --> 00:21:37,780
paralysis death half of all patients

411
00:21:44,220 --> 00:21:40,680
have mild to moderate side effects often

412
00:21:46,890 --> 00:21:44,230
associated with quackery bogus tests

413
00:21:49,290 --> 00:21:46,900

used by some chiropractors biological

414

00:21:52,920 --> 00:21:49,300

terrain assessment computerized

415

00:21:56,720 --> 00:21:52,930

nutrition deficiency testing contact

416

00:22:00,800 --> 00:21:56,730

reflex analysis electrodermal screening

417

00:22:04,380 --> 00:22:00,810

functional intercellular analysis FIA

418

00:22:09,270 --> 00:22:04,390

hair analysis herbal crystallization

419

00:22:12,060 --> 00:22:09,280

analysis iridology leg length testing to

420

00:22:14,850 --> 00:22:12,070

check for subluxation 'he's live blood

421

00:22:17,820 --> 00:22:14,860

analysis also called nutritional blood

422

00:22:23,150 --> 00:22:17,830

analysis or humor view testing with a

423

00:22:27,240 --> 00:22:23,160

nervous cope nutri balanced new try spec

424

00:22:30,690 --> 00:22:27,250

pendulum divination reflexology saliva

425

00:22:33,150 --> 00:22:30,700

testing spinal ultrasound testing to a

426

00:22:36,900 --> 00:22:33,160

measure progress surface

427

00:22:39,900 --> 00:22:36,910

electromyography sem g thermography

428

00:22:43,020 --> 00:22:39,910

testing with a toughness device weighing

429

00:22:45,780 --> 00:22:43,030

on a twin scale device spinal analysis

430

00:22:49,350 --> 00:22:45,790

machine forty-three percent of american

431

00:22:52,830 --> 00:22:49,360

chiropractors used applied kinesiology a

432

00:22:56,010 --> 00:22:52,840

bogus muscle testing procedure for both

433

00:22:59,300 --> 00:22:56,020

testing and treatment bogus treatments

434

00:23:02,750 --> 00:22:59,310

used by many chiropractors acupuncture

435

00:23:06,270 --> 00:23:02,760

activator methods applied kinesiology

436

00:23:10,550 --> 00:23:06,280

bioelectric synchronization technique be

437

00:23:13,830 --> 00:23:10,560

EST chelation therapy colonic irrigation

438

00:23:16,620 --> 00:23:13,840

cranial or cranial scalpel therapy laser

439

00:23:20,010 --> 00:23:16,630

acupuncture magnetic or biomagnetic

440

00:23:22,360 --> 00:23:20,020

therapy neuro emotional technique any T

441

00:23:26,020 --> 00:23:22,370

neuro organization technique

442

00:23:28,830 --> 00:23:26,030

n of homeopathic products unproven

443

00:23:31,420 --> 00:23:28,840

dietary supplements or herbal products

444

00:23:35,310 --> 00:23:31,430

some chiropractors do bad things

445

00:23:38,320 --> 00:23:35,320

including unnecessary x-rays unethical

446

00:23:41,200 --> 00:23:38,330

advertising fifty percent discourage

447

00:23:44,980 --> 00:23:41,210

immunization discouraged conventional

448

00:23:48,310 --> 00:23:44,990

medical care of a lifelong maintenance

449

00:23:51,190 --> 00:23:48,320

adjustments miss diagnose or failed to

450

00:23:54,669 --> 00:23:51,200

refer appropriately treat young children

451
00:23:57,810 --> 00:23:54,679
and even newborns who spines haven't

452
00:24:01,140 --> 00:23:57,820
finished forming more on that soon

453
00:24:05,200 --> 00:24:01,150
presume to function as family doctors

454
00:24:08,620 --> 00:24:05,210
types of chiropractors strains do

455
00:24:11,799 --> 00:24:08,630
chiropractic adjustments only mixes add

456
00:24:15,010 --> 00:24:11,809
other treatments everything from massage

457
00:24:17,950 --> 00:24:15,020
to a voodoo upper cervical chiropractors

458
00:24:20,890 --> 00:24:17,960
only adjust the top of vertebra of the

459
00:24:23,799 --> 00:24:20,900
neck reform chiropractors who reject the

460
00:24:26,890 --> 00:24:23,809
subluxation concept and try to practice

461
00:24:29,320 --> 00:24:26,900
evidence-based chiropractic the only

462
00:24:32,290 --> 00:24:29,330
thing chiropractors do that has been

463
00:24:35,560 --> 00:24:32,300

definitely proven effective your spinal

464

00:24:38,049 --> 00:24:35,570

manipulation treatment smt for certain

465

00:24:41,770 --> 00:24:38,059

types of lower back pain there is

466

00:24:44,799 --> 00:24:41,780

nothing uniquely chiropractic about smt

467

00:24:46,960 --> 00:24:44,809

it's also used by a physiotherapist and

468

00:24:48,970 --> 00:24:46,970

others it is no more effective in the

469

00:24:51,880 --> 00:24:48,980

long run than other treatments for lower

470

00:24:54,190 --> 00:24:51,890

back pain but it is a reasonable option

471

00:24:57,340 --> 00:24:54,200

for people who prefer it and it may

472

00:24:59,650 --> 00:24:57,350

offer earlier relief if you want to see

473

00:25:02,010 --> 00:24:59,660

a chiropractor here's a list of what you

474

00:25:06,940 --> 00:25:02,020

should look for rejects subluxation

475

00:25:09,700 --> 00:25:06,950

theory no full spine xrays no quack

476
00:25:13,090 --> 00:25:09,710
products or tests no preventive or

477
00:25:16,180 --> 00:25:13,100
maintenance adjustments no promotion of

478
00:25:18,580 --> 00:25:16,190
unproven dietary supplements doesn't

479
00:25:22,030 --> 00:25:18,590
pretend to be a family doctor doesn't

480
00:25:24,900 --> 00:25:22,040
treat young children no antagonism to

481
00:25:27,669 --> 00:25:24,910
the scientific method doesn't discourage

482
00:25:30,300 --> 00:25:27,679
immunizations limited to short-term

483
00:25:34,880 --> 00:25:30,310
treatment of musculoskeletal problems

484
00:25:37,520 --> 00:25:34,890
knows when to refer bottom line if a

485
00:25:39,620 --> 00:25:37,530
chiropractor offers spinal manipulation

486
00:25:42,440 --> 00:25:39,630
a treatment for a short-term treatment

487
00:25:45,320 --> 00:25:42,450
of certain kinds of musculoskeletal pain

488
00:25:48,800 --> 00:25:45,330

he might be able to help you if he

489

00:25:50,690 --> 00:25:48,810

offers to adjust your subluxation or

490

00:25:54,050 --> 00:25:50,700

treat problems elsewhere in the body

491

00:25:56,620 --> 00:25:54,060

it's best to avoid him horror stories

492

00:25:59,990 --> 00:25:56,630

illustrate just how unscientific

493

00:26:02,600 --> 00:26:00,000

chiropractic can be chiropractic

494

00:26:05,810 --> 00:26:02,610

research studies are generally poor

495

00:26:07,700 --> 00:26:05,820

usually without controls and often are

496

00:26:10,220 --> 00:26:07,710

simply case reports that are poorly

497

00:26:13,250 --> 00:26:10,230

documented now real progress has been

498

00:26:16,040 --> 00:26:13,260

made in over a century the research has

499

00:26:18,320 --> 00:26:16,050

never found a treatment ineffective they

500

00:26:20,600 --> 00:26:18,330

keep adding treatment methods and never

501
00:26:22,850 --> 00:26:20,610
give up on any of them so that was a

502
00:26:26,960 --> 00:26:22,860
quick overview of some of the course

503
00:26:30,490 --> 00:26:26,970
guide notes from the harriet whole video

504
00:26:34,580 --> 00:26:30,500
on chiropractic again you can just visit

505
00:26:37,490 --> 00:26:34,590
skeptic dot info for the link to the

506
00:26:41,210 --> 00:26:37,500
videos which i recommend and the course

507
00:26:43,000 --> 00:26:41,220
guide notes now let's hear some of the

508
00:26:45,560 --> 00:26:43,010
claims made for chiropractic

509
00:26:48,440 --> 00:26:45,570
specifically the branch of chiropractic

510
00:26:55,090 --> 00:26:48,450
called gonstead now this is named after

511
00:26:58,370 --> 00:26:55,100
Clarence gonstead 1898 to 1978 and to

512
00:27:00,820 --> 00:26:58,380
read from the gods dead chiropractic

513
00:27:03,590 --> 00:27:00,830

Society of Australia's website

514

00:27:06,200 --> 00:27:03,600

chiropractic began with Daniel D Palmer

515

00:27:10,670 --> 00:27:06,210

giving his first adjustment in September

516

00:27:12,710 --> 00:27:10,680

1895 in Davenport Iowa today there are

517

00:27:14,570 --> 00:27:12,720

many methods used by chiropractors to

518

00:27:17,300 --> 00:27:14,580

correct spinal misalignments joint

519

00:27:19,640 --> 00:27:17,310

dysfunction and subluxation complexes

520

00:27:21,020 --> 00:27:19,650

many techniques are identified by the

521

00:27:23,660 --> 00:27:21,030

name of the person who was most

522

00:27:26,270 --> 00:27:23,670

instrumental in their development one of

523

00:27:29,240 --> 00:27:26,280

the most advanced and scientific methods

524

00:27:31,580 --> 00:27:29,250

is called the gonstead system dr.

525

00:27:34,270 --> 00:27:31,590

gonstead developed his procedure as a

526

00:27:37,310 --> 00:27:34,280

result of extensive clinical research

527

00:27:39,530 --> 00:27:37,320

these procedures were developed over

528

00:27:41,900 --> 00:27:39,540

many years of clinical observation and

529

00:27:46,010 --> 00:27:41,910

research to work out how to get sick

530

00:27:48,360 --> 00:27:46,020

patients well doctor God stands 55 years

531

00:27:50,880 --> 00:27:48,370

of continuous practice and

532

00:27:53,240 --> 00:27:50,890

a four-million chiropractic adjustments

533

00:27:56,280 --> 00:27:53,250

resulted in the most complete method of

534

00:27:59,240 --> 00:27:56,290

biomechanical analysis available for use

535

00:28:01,830 --> 00:27:59,250

by today's doctors and chiropractors

536

00:28:04,170 --> 00:28:01,840

many of dr. Johnston's clinical

537

00:28:06,420 --> 00:28:04,180

approaches theories and results are now

538

00:28:09,240 --> 00:28:06,430

being explained by modern scientific

539

00:28:11,160 --> 00:28:09,250

research and studies dr. Johnston was

540

00:28:13,770 --> 00:28:11,170

asked by other chiropractors to teach

541

00:28:15,870 --> 00:28:13,780

them what he did and how he got the

542

00:28:18,480 --> 00:28:15,880

results that he did this led to the

543

00:28:21,419 --> 00:28:18,490

development of the gods Ted seminar in

544

00:28:23,730 --> 00:28:21,429

the mid 1940s and a systematic approach

545

00:28:26,850 --> 00:28:23,740

to explaining the way he practiced and

546

00:28:28,799 --> 00:28:26,860

got sick patients well here are some of

547

00:28:33,150 --> 00:28:28,809

the claims being made by chiropractors

548

00:28:36,210 --> 00:28:33,160

today our chiropractic research suggests

549

00:28:39,210 --> 00:28:36,220

and a clinical experience that we may be

550

00:28:41,669 --> 00:28:39,220

able to help your child to breathe

551
00:28:44,250 --> 00:28:41,679
easier with harassment improve their

552
00:28:46,680 --> 00:28:44,260
posture and fed alignment to help them

553
00:28:50,490 --> 00:28:46,690
to build stronger immune systems against

554
00:28:52,680 --> 00:28:50,500
colds and ear infections and to help

555
00:28:56,100 --> 00:28:52,690
manage any other childhood ailments

556
00:28:58,549 --> 00:28:56,110
including colleague ADHD bedwetting

557
00:29:00,570 --> 00:28:58,559
birth trauma and sporting injuries

558
00:29:03,210 --> 00:29:00,580
asthma is one of the many conditions

559
00:29:05,400 --> 00:29:03,220
that we get fantastic results with

560
00:29:07,530 --> 00:29:05,410
through chiropractic care case after

561
00:29:10,250 --> 00:29:07,540
case after case of people that have had

562
00:29:12,570 --> 00:29:10,260
breathing issues that are borderline

563
00:29:15,090 --> 00:29:12,580

bronchitis pneumonia but especially

564

00:29:17,070 --> 00:29:15,100

asthma we've been able to help people

565

00:29:19,410 --> 00:29:17,080

get off of their inhalers and actually

566

00:29:21,720 --> 00:29:19,420

take a nice deep breath for the first

567

00:29:23,190 --> 00:29:21,730

time in their lives believe it or not

568

00:29:24,810 --> 00:29:23,200

we've had many patients come here

569

00:29:26,790 --> 00:29:24,820

seeking help with urinary tract

570

00:29:29,070 --> 00:29:26,800

infections and kidney problems we've had

571

00:29:31,320 --> 00:29:29,080

many patients that have had borderline

572

00:29:33,900 --> 00:29:31,330

kidney failure that have responded

573

00:29:35,610 --> 00:29:33,910

through chiropractic help now you may

574

00:29:37,200 --> 00:29:35,620

ask yourself how can an adjustment in

575

00:29:39,750 --> 00:29:37,210

the back actually affect the kidneys

576
00:29:41,460 --> 00:29:39,760
well it's very simple wherever the brain

577
00:29:43,680 --> 00:29:41,470
goes it has to communicate with those

578
00:29:45,630 --> 00:29:43,690
organs through the nervous system quite

579
00:29:48,360 --> 00:29:45,640
simply the function of a chiropractor is

580
00:29:50,610 --> 00:29:48,370
route is to remove any interference in

581
00:29:52,560 --> 00:29:50,620
the nervous system therefore if you have

582
00:29:54,960 --> 00:29:52,570
a blockage of that nerve going to the

583
00:29:57,000 --> 00:29:54,970
kidney and that's what's causing that

584
00:29:58,620 --> 00:29:57,010
kidney to shut down doesn't it make

585
00:30:01,380 --> 00:29:58,630
sense that that interference needs to be

586
00:30:02,190 --> 00:30:01,390
removed as a nation we don't get enough

587
00:30:04,260 --> 00:30:02,200
sleep

588
00:30:06,240 --> 00:30:04,270

many times this is due to a misalignment

589

00:30:08,910 --> 00:30:06,250

of the pelvis specifically your hips

590

00:30:10,650 --> 00:30:08,920

what we will do is evaluate and see

591

00:30:13,620 --> 00:30:10,660

whether or not your hips are misaligned

592

00:30:15,930 --> 00:30:13,630

when those hips are actually off what it

593

00:30:18,810 --> 00:30:15,940

does is cause muscle imbalance and make

594

00:30:21,270 --> 00:30:18,820

sleeping very uncomfortable parents this

595

00:30:23,760 --> 00:30:21,280

one's for you if your children have ear

596

00:30:25,590 --> 00:30:23,770

infections you must get them checked I

597

00:30:28,830 --> 00:30:25,600

besech you not to give them antibiotics

598

00:30:30,390 --> 00:30:28,840

and go the natural route if you know of

599

00:30:32,790 --> 00:30:30,400

children who are suffering with chronic

600

00:30:34,890 --> 00:30:32,800

ear infections please bring them in and

601
00:30:36,570 --> 00:30:34,900
have them evaluated let's see if we can

602
00:30:40,440 --> 00:30:36,580
help them the natural way the

603
00:30:43,170 --> 00:30:40,450
chiropractic way which brings us to a

604
00:30:46,250 --> 00:30:43,180
very short clip which I discovered at

605
00:30:49,110 --> 00:30:46,260
the youtube channel entitled

606
00:30:51,650 --> 00:30:49,120
chiropractic excellence I'll play the

607
00:30:54,270 --> 00:30:51,660
clip now give you a brief explanation

608
00:30:56,970 --> 00:30:54,280
but it'll look more than that because

609
00:31:00,300 --> 00:30:56,980
she so flexible I'm going to have to get

610
00:31:02,850 --> 00:31:00,310
some extension in as fun I'm going to

611
00:31:04,710 --> 00:31:02,860
take that contact there like that I have

612
00:31:07,430 --> 00:31:04,720
to unfortunately just extend her a

613
00:31:15,870 --> 00:31:07,440

little bit to get it in the right place

614

00:31:18,300 --> 00:31:15,880

that's why we know to set the scene what

615

00:31:20,670 --> 00:31:18,310

you just heard the chiropractor was

616

00:31:25,830 --> 00:31:20,680

sitting on a chair four day old baby

617

00:31:28,260 --> 00:31:25,840

lying across his lap facedown and the

618

00:31:32,820 --> 00:31:28,270

chiropractor pushed his hands into the

619

00:31:34,620 --> 00:31:32,830

baby's spine and cracked the babys back

620

00:31:37,680 --> 00:31:34,630

and then you hear the crying let's

621

00:31:40,200 --> 00:31:37,690

listen to that again I feel like that I

622

00:31:42,920 --> 00:31:40,210

have to unfortunately just extend her a

623

00:31:47,400 --> 00:31:42,930

little bit to get it in the right place

624

00:31:55,210 --> 00:31:47,410

that's why we sorry

625

00:31:57,130 --> 00:31:55,220

okay and it looks far worse than it

626

00:31:58,930 --> 00:31:57,140

sounds when you see this little baby's

627

00:32:01,390 --> 00:31:58,940

back being pushed in that really made me

628

00:32:06,580 --> 00:32:01,400

wince and it makes me wince every time I

629

00:32:08,320 --> 00:32:06,590

see it but now we'll turn to a item

630

00:32:17,680 --> 00:32:08,330

posted on the Australian skeptics

631

00:32:21,310 --> 00:32:17,690

website as published at ww skeptics com

632

00:32:26,740 --> 00:32:21,320

au twenty-second of february by Tim

633

00:32:30,160 --> 00:32:26,750

mendham Cairo vs. GP who's more

634

00:32:32,560 --> 00:32:30,170

qualified is it true that GPS and

635

00:32:35,170 --> 00:32:32,570

chiropractors do much of the same level

636

00:32:37,570 --> 00:32:35,180

of training and are thus equally

637

00:32:40,780 --> 00:32:37,580

qualified to practice primary health

638

00:32:44,770 --> 00:32:40,790

care should chiropractors play the role

639

00:32:48,550 --> 00:32:44,780

that GPS currently do as the first stop

640

00:32:50,890 --> 00:32:48,560

for medical consultation the argument

641

00:32:53,890 --> 00:32:50,900

used by chiropractors to practice as

642

00:32:56,170 --> 00:32:53,900

primary health care is that they must go

643

00:32:58,780 --> 00:32:56,180

through the same level of medical

644

00:33:01,750 --> 00:32:58,790

training as GPS including the same

645

00:33:04,540 --> 00:33:01,760

courses and are thus as qualified to

646

00:33:08,020 --> 00:33:04,550

offer primary healthcare as GPS the

647

00:33:10,180 --> 00:33:08,030

question is whether this is true the

648

00:33:13,000 --> 00:33:10,190

vision statement of the chiropractic

649

00:33:16,960 --> 00:33:13,010

professions peak body the chiropractor's

650

00:33:19,840 --> 00:33:16,970

Association of Australia CAA positions

651
00:33:21,850 --> 00:33:19,850
chiropractic as an alternative health

652
00:33:25,840 --> 00:33:21,860
care system distinct from the mainstream

653
00:33:28,270 --> 00:33:25,850
and aims to quote achieve a fundamental

654
00:33:31,090 --> 00:33:28,280
paradigm shift in the healthcare

655
00:33:34,000 --> 00:33:31,100
direction where chiropractic is

656
00:33:36,450 --> 00:33:34,010
recognized as the most cost efficient

657
00:33:40,180 --> 00:33:36,460
and effective health care regime of

658
00:33:43,600 --> 00:33:40,190
first choice and is readily accessible

659
00:33:46,870 --> 00:33:43,610
to all people end quote in an article on

660
00:33:50,020 --> 00:33:46,880
the choice website Karina Bray senior

661
00:33:52,630 --> 00:33:50,030
content producer health for choice laid

662
00:33:55,060 --> 00:33:52,640
out some of the issues associated with

663
00:33:59,350 --> 00:33:55,070

chiropractic and the differences between

664

00:34:00,350 --> 00:33:59,360

it and the GP profession apart from the

665

00:34:02,590 --> 00:34:00,360

level of qualification

666

00:34:05,180 --> 00:34:02,600

patient's these issues included the

667

00:34:07,810 --> 00:34:05,190

anti-vaccination stance of many

668

00:34:10,389 --> 00:34:07,820

chiropractors the potential for

669

00:34:13,149 --> 00:34:10,399

misdiagnosis and preventive

670

00:34:17,510 --> 00:34:13,159

manipulations which may cause problems

671

00:34:21,020 --> 00:34:17,520

where none previously existed the claim

672

00:34:24,619 --> 00:34:21,030

for chiropractic training oz Sid guide

673

00:34:27,800 --> 00:34:24,629

35 responded to braise article on the

674

00:34:30,740 --> 00:34:27,810

choice site with a comment that the

675

00:34:32,869 --> 00:34:30,750

article was biased with bray apparently

676
00:34:35,419 --> 00:34:32,879
showing a lack of understanding of what

677
00:34:38,060 --> 00:34:35,429
training chiropractors go through quote

678
00:34:40,399 --> 00:34:38,070
which is a full three-year bachelor's

679
00:34:43,010 --> 00:34:40,409
degree in science followed by a two

680
00:34:45,290 --> 00:34:43,020
years master's degree if anyone does

681
00:34:48,040 --> 00:34:45,300
some research instead of taking extreme

682
00:34:50,899 --> 00:34:48,050
biased views they can clearly see

683
00:34:55,040 --> 00:34:50,909
chiropractors do take extensive training

684
00:34:57,410 --> 00:34:55,050
and just as much as GPS in the science

685
00:35:01,340 --> 00:34:57,420
side of things the courses are very

686
00:35:03,530 --> 00:35:01,350
similar GPS require and the same as

687
00:35:06,580 --> 00:35:03,540
chiropractors courses in anatomy

688
00:35:10,760 --> 00:35:06,590

physiology physics chemistry

689

00:35:12,980 --> 00:35:10,770

biochemistry neural anatomy etc these

690

00:35:15,770 --> 00:35:12,990

courses do not differ they are not

691

00:35:18,440 --> 00:35:15,780

taught by anyone different either the

692

00:35:21,530 --> 00:35:18,450

person in question teaching the specific

693

00:35:24,470 --> 00:35:21,540

course has to have a degree in that

694

00:35:26,540 --> 00:35:24,480

specific course for example a bio

695

00:35:29,180 --> 00:35:26,550

chemistry teacher has to have a

696

00:35:31,849 --> 00:35:29,190

bachelor's of biochemistry with honors

697

00:35:35,090 --> 00:35:31,859

etc depending on the University of the

698

00:35:37,609 --> 00:35:35,100

min requirements hence some are better

699

00:35:40,040 --> 00:35:37,619

than others just like medicine both

700

00:35:44,180 --> 00:35:40,050

require a minimum though rest assured as

701

00:35:47,330 --> 00:35:44,190

per law chiropractors also learn ECG

702

00:35:49,790 --> 00:35:47,340

monitoring blood pressure etc that's why

703

00:35:51,830 --> 00:35:49,800

they can do this stuff also as you get

704

00:35:55,010 --> 00:35:51,840

taught this in anatomy and physiology

705

00:35:58,310 --> 00:35:55,020

second level the only parts where they

706

00:36:01,370 --> 00:35:58,320

differ is GPS branch off into getting

707

00:36:03,770 --> 00:36:01,380

training for drugs where chiropractors

708

00:36:07,070 --> 00:36:03,780

usually keep going with even more

709

00:36:09,260 --> 00:36:07,080

in-depth anatomy and physiology specific

710

00:36:11,240 --> 00:36:09,270

to what they deal with each day even the

711

00:36:13,350 --> 00:36:11,250

years of the same check out the

712

00:36:16,350 --> 00:36:13,360

Australian am a page

713

00:36:19,350 --> 00:36:16,360

takes four to six years chiropractic

714

00:36:22,020 --> 00:36:19,360

takes minimum five the medical does a

715

00:36:24,360 --> 00:36:22,030

further one year normally Hospital

716

00:36:26,970 --> 00:36:24,370

residency a chiropractic does this in

717

00:36:30,180 --> 00:36:26,980

addition to its normal studies for two

718

00:36:33,630 --> 00:36:30,190

years in their master's degree both are

719

00:36:36,180 --> 00:36:33,640

classified as doctors one is of medicine

720

00:36:39,090 --> 00:36:36,190

and prescribes drugs the other is a non

721

00:36:41,970 --> 00:36:39,100

drug prescribing profession both have

722

00:36:46,290 --> 00:36:41,980

their needs in society most nurses or

723

00:36:49,140 --> 00:36:46,300

MDS agree with this and quote oz Sid guy

724

00:36:52,050 --> 00:36:49,150

admits that quote more research is

725

00:36:53,700 --> 00:36:52,060

needed in quote but adds quote if people

726

00:36:55,800 --> 00:36:53,710

are getting a relief from this and there

727

00:36:59,610 --> 00:36:55,810

is a lack of scientific evidence around

728

00:37:02,250 --> 00:36:59,620

that does not mean it does not work just

729

00:37:05,190 --> 00:37:02,260

means we need more studies to show why

730

00:37:08,160 --> 00:37:05,200

it works in people that it does and how

731

00:37:12,200 --> 00:37:08,170

end quote there are many chiropractors

732

00:37:16,590 --> 00:37:12,210

who would share oz Sid guys and views

733

00:37:20,070 --> 00:37:16,600

unfortunately it's not true the reality

734

00:37:22,830 --> 00:37:20,080

of medical training mr. John Cunningham

735

00:37:24,930 --> 00:37:22,840

is an Australian trained orthopaedic

736

00:37:27,540 --> 00:37:24,940

surgeon who specializes in the treatment

737

00:37:29,490 --> 00:37:27,550

of spinal disorders he is a fellow of

738

00:37:31,740 --> 00:37:29,500

the Royal Australasian College of

739

00:37:34,680 --> 00:37:31,750

Surgeons and of the Australian

740

00:37:37,380 --> 00:37:34,690

orthopaedic association in the 2016

741

00:37:40,980 --> 00:37:37,390

Australia Day honors he was awarded a

742

00:37:43,170 --> 00:37:40,990

medal in the order of australia oam for

743

00:37:46,740 --> 00:37:43,180

services to medicine and to the

744

00:37:49,950 --> 00:37:46,750

promotion of immunization he suggests

745

00:37:51,750 --> 00:37:49,960

that oz Sid guys quote understanding of

746

00:37:55,710 --> 00:37:51,760

the chiropractic training and the

747

00:37:58,320 --> 00:37:55,720

training of GPS is considerably lacking

748

00:38:00,750 --> 00:37:58,330

and quota first start mr. Cunningham

749

00:38:04,800 --> 00:38:00,760

says a GP must complete a medical degree

750

00:38:07,710 --> 00:38:04,810

which these days is often a six to seven

751
00:38:10,460 --> 00:38:07,720
year program of medical sciences as well

752
00:38:13,170 --> 00:38:10,470
as clinical medicine it is taught by

753
00:38:16,770 --> 00:38:13,180
scientists specialized in the field as

754
00:38:18,600 --> 00:38:16,780
well as clinicians quote medical

755
00:38:21,210 --> 00:38:18,610
practitioners are taught evidence-based

756
00:38:23,190 --> 00:38:21,220
medicine meanwhile chiropractors are

757
00:38:25,560 --> 00:38:23,200
taught make-believe like gonstead

758
00:38:27,130 --> 00:38:25,570
pregnancy and pediatric chiropractic

759
00:38:29,650 --> 00:38:27,140
completely without ever

760
00:38:32,200 --> 00:38:29,660
medical students are not taught by

761
00:38:34,510 --> 00:38:32,210
chiropractors nor are chiropractors

762
00:38:36,190 --> 00:38:34,520
taught by medical practitioners the

763
00:38:39,250 --> 00:38:36,200

courses differ and they differ

764

00:38:41,520 --> 00:38:39,260

enormously how do I know because I did a

765

00:38:44,200 --> 00:38:41,530

science degree with chiropractors at

766

00:38:46,570 --> 00:38:44,210

University of New South Wales before

767

00:38:49,120 --> 00:38:46,580

completing a medical degree while their

768

00:38:51,790 --> 00:38:49,130

science degree was similar they only did

769

00:38:53,590 --> 00:38:51,800

one major degree in anatomy and so

770

00:38:57,640 --> 00:38:53,600

missed out on physiology and

771

00:38:59,830 --> 00:38:57,650

biochemistry just anatomy they were not

772

00:39:02,380 --> 00:38:59,840

exposed to nearly as much detail as the

773

00:39:04,330 --> 00:39:02,390

other subjects as medical students nor

774

00:39:07,140 --> 00:39:04,340

did they learn anything about human

775

00:39:10,930 --> 00:39:07,150

behavior microbiology or pharmacology

776

00:39:13,930 --> 00:39:10,940

just Anatomy to even suggest that

777

00:39:16,390 --> 00:39:13,940

chiropractors learn ECGs in the same

778

00:39:19,390 --> 00:39:16,400

detail as a medical practitioner is

779

00:39:22,180 --> 00:39:19,400

laughable making a claim that the two

780

00:39:24,580 --> 00:39:22,190

streams simply branch off is ridiculous

781

00:39:28,090 --> 00:39:24,590

they share no common ground to begin

782

00:39:31,000 --> 00:39:28,100

with and cannot branch off as aaahs Sid

783

00:39:34,540 --> 00:39:31,010

guy puts it and a medical degree is only

784

00:39:36,670 --> 00:39:34,550

the start GPS must complete a three-year

785

00:39:39,310 --> 00:39:36,680

vocational training pathway covering

786

00:39:42,220 --> 00:39:39,320

many aspects of Medicine not covered in

787

00:39:45,160 --> 00:39:42,230

detail in the undergraduate section of

788

00:39:47,770 --> 00:39:45,170

training as well as passing more exams

789

00:39:51,040 --> 00:39:47,780

and then a fellowship exam so we're up

790

00:39:54,370 --> 00:39:51,050

to ten years just now and I'll Sid guy

791

00:39:57,670 --> 00:39:54,380

things that were only about drugs what

792

00:39:59,500 --> 00:39:57,680

do g pc only the broadest range of

793

00:40:02,500 --> 00:39:59,510

conditions that can be treated with

794

00:40:05,790 --> 00:40:02,510

evidence-based medicine yes drugs are

795

00:40:09,390 --> 00:40:05,800

used but what about say an asthma plan

796

00:40:11,800 --> 00:40:09,400

diabetes counseling family planning

797

00:40:15,040 --> 00:40:11,810

psychiatric care end-of-life care

798

00:40:18,460 --> 00:40:15,050

pediatrics learning difficulties moscow

799

00:40:21,280 --> 00:40:18,470

skeletal complaints dermatology i could

800

00:40:24,760 --> 00:40:21,290

go on but to simplify things to the idea

801

00:40:27,460 --> 00:40:24,770

that quote old GPS do is prescribing

802

00:40:29,290 --> 00:40:27,470

drugs and quote is ludicrous a

803

00:40:32,080 --> 00:40:29,300

chiropractor is trained now at

804

00:40:34,000 --> 00:40:32,090

universities mr. Cunningham says but

805

00:40:36,640 --> 00:40:34,010

quote many aspects of their curriculum

806

00:40:40,150 --> 00:40:36,650

are not evidence-based simple as that

807

00:40:43,900 --> 00:40:40,160

and saying more research is needed

808

00:40:46,029 --> 00:40:43,910

is not the same as saying it works much

809

00:40:47,890 --> 00:40:46,039

research has already been done and the

810

00:40:50,920 --> 00:40:47,900

only thing that chiropractors can treat

811

00:40:54,539 --> 00:40:50,930

better than GPS is acute back pain and

812

00:40:56,950 --> 00:40:54,549

only then in a small subset of patients

813

00:40:59,500 --> 00:40:56,960

researching it more may provide more

814

00:41:02,920 --> 00:40:59,510

evidence for other conditions but it

815

00:41:05,470 --> 00:41:02,930

also may not once chickens should not be

816

00:41:07,720 --> 00:41:05,480

counted before they hatched suggesting

817

00:41:09,819 --> 00:41:07,730

that chiropractors can replace GPS

818

00:41:11,829 --> 00:41:09,829

because some of their subjects have the

819

00:41:14,799 --> 00:41:11,839

same broad title as each other is

820

00:41:17,680 --> 00:41:14,809

blatantly false you might make the same

821

00:41:22,000 --> 00:41:17,690

claim about physiotherapists osteopath

822

00:41:24,640 --> 00:41:22,010

nurses pharmacists and I could go on GPS

823

00:41:28,450 --> 00:41:24,650

have their place and that is as the

824

00:41:31,059 --> 00:41:28,460

primary family physician chiropractors

825

00:41:33,069 --> 00:41:31,069

should learn their place too and it's

826

00:41:36,130 --> 00:41:33,079

not where they think it is and quota and

827

00:41:38,410 --> 00:41:36,140

that was Cairo vs. GP who's more

828

00:42:01,730 --> 00:41:38,420

qualified written by Tim mendham

829

00:42:01,740 --> 00:42:08,090

you

830

00:42:15,240 --> 00:42:12,180

dr. Harriet hall md no into thousands as

831

00:42:18,330 --> 00:42:15,250

the skeptic a retired family physician

832

00:42:20,400 --> 00:42:18,340

and former Air Force flight surgeon she

833

00:42:22,100 --> 00:42:20,410

writes about medicine so called

834

00:42:26,000 --> 00:42:22,110

complementary and alternative medicine

835

00:42:29,070 --> 00:42:26,010

science banchory and critical thinking

836

00:42:31,530 --> 00:42:29,080

Harriet now has a free course a series

837

00:42:34,680 --> 00:42:31,540

of ten video lectures on science based

838

00:42:36,720 --> 00:42:34,690

medicine and alternative medicine the

839

00:42:38,820 --> 00:42:36,730

videos and an accompanying course guide

840

00:42:42,780 --> 00:42:38,830

can be found by following the link at

841

00:42:46,800 --> 00:42:42,790

skeptic dot info or by visiting web

842

00:42:51,150 --> 00:42:46,810

Randy's org slash educational dash

843

00:42:54,270 --> 00:42:51,160

modules dot HTML topics covered in the

844

00:42:57,380 --> 00:42:54,280

series are science-based medicine vs.

845

00:43:00,800 --> 00:42:57,390

evidence-based medicine what is cam

846

00:43:03,990 --> 00:43:00,810

chiropractic acupuncture homeopathy

847

00:43:06,120 --> 00:43:04,000

naturopathy and herbal medicine energy

848

00:43:09,300 --> 00:43:06,130

medicine miscellaneous alternatives

849

00:43:12,590 --> 00:43:09,310

pitfalls in research and science-based

850

00:43:15,330 --> 00:43:12,600

medicine in the media and politics

851
00:43:17,910 --> 00:43:15,340
Harriet covers each topic in a matter of

852
00:43:43,260 --> 00:43:17,920
fact no-nonsense way that sure to

853
00:43:47,680 --> 00:43:45,880
thank you for listening to the skeptic

854
00:43:49,470 --> 00:43:47,690
zone coming up on next week's show I

855
00:43:52,420 --> 00:43:49,480
hope we can hear some more from our

856
00:43:54,760 --> 00:43:52,430
wonderful reporters Maynard don't forget

857
00:43:56,830 --> 00:43:54,770
to visit Maynard calm today you for his

858
00:44:00,730 --> 00:43:56,840
podcast bunga bunga and lots of other

859
00:44:04,560 --> 00:44:00,740
Maynard craziness Joe alabaster who has

860
00:44:07,720 --> 00:44:04,570
a blog at evidence please dot net and

861
00:44:09,730 --> 00:44:07,730
Joe does some wonderful reports for the

862
00:44:11,740 --> 00:44:09,740
skeptic zone I always look forward to

863
00:44:14,200 --> 00:44:11,750

evidence please with Joe alabaster and

864

00:44:15,820 --> 00:44:14,210

between you and me I think she's got one

865

00:44:18,850 --> 00:44:15,830

of the best speaking voices in the

866

00:44:22,240 --> 00:44:18,860

business in fact if you want a really

867

00:44:24,760 --> 00:44:22,250

cool voiceover artist Joe's your woman

868

00:44:29,230 --> 00:44:24,770

Heidi Robinson of course with the raw

869

00:44:32,050 --> 00:44:29,240

skeptic on her website the Northern

870

00:44:35,290 --> 00:44:32,060

Rivers vaccination supporters is at nrvs

871

00:44:39,090 --> 00:44:35,300

dot info also our good friend dr. hu

872

00:44:42,660 --> 00:44:39,100

who's a blog is the skeptics book at

873

00:44:45,130 --> 00:44:42,670

skeptics book.com spelt with the sea

874

00:44:46,780 --> 00:44:45,140

Iran's they gave of course with grain of

875

00:44:48,700 --> 00:44:46,790

salt chips in every now and then and

876

00:44:50,590 --> 00:44:48,710

well I guess you can go to the

877

00:44:53,410 --> 00:44:50,600

Australian skeptics website to find out

878

00:44:54,940 --> 00:44:53,420

more about Iran's again but what was I

879

00:44:57,250 --> 00:44:54,950

saying oh yes well next week I hope we

880

00:45:01,200 --> 00:44:57,260

hear a report from one of our or even

881

00:45:03,400 --> 00:45:01,210

more of our wonderful report isn't

882

00:45:06,700 --> 00:45:03,410

thanks to the people who write to our

883

00:45:09,000 --> 00:45:06,710

reporters and congratulate them or us

884

00:45:11,320 --> 00:45:09,010

for their advice about different things

885

00:45:13,810 --> 00:45:11,330

it's part of the reason they're on the

886

00:45:17,110 --> 00:45:13,820

skeptic zone but for this week with

887

00:45:20,560 --> 00:45:17,120

what's that I hear outside yeah rain

888

00:45:22,840 --> 00:45:20,570

coming down on the roof once again great

889

00:45:25,060 --> 00:45:22,850

but for this week this is Richard

890

00:45:29,319 --> 00:45:25,070

Saunders signing off from Sydney

891

00:45:35,509 --> 00:45:31,759

you've been listening to the skeptics

892

00:45:38,420 --> 00:45:35,519

own podcast visit our website at wwc a

893

00:45:41,839 --> 00:45:38,430

petting zoo TV for contacts an archive

894

00:45:44,569 --> 00:45:41,849

of all episodes since 2008 and our

895

00:45:46,480 --> 00:45:44,579

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896

00:45:49,640 --> 00:45:46,490

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00:45:53,269 --> 00:45:49,650

skeptic zone liking us on facebook and

898

00:45:55,460 --> 00:45:53,279

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00:45:58,630 --> 00:45:55,470

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901

00:46:03,019 --> 00:46:01,410

the skeptic zone is an independent

902

00:46:05,480 --> 00:46:03,029

production the views and opinions

903

00:46:07,519 --> 00:46:05,490

expressed on the skeptic zone and not