Following are the Symptoms and other clinical presentation observed by Gana Kiritharan over the last few years which may be due to mercury and/or other heavy metal poisoning.

Changes observed after starting the chelating therapy are explained in "Changes of Symptoms During Chelating Therapy."

### 1. Skin problems

I may be experiencing 2 or 3 small lumps under the skin in right arm. (No pain, Not growing, no lymph nodes.)

On my left side of the chest I developed few scatted purple papules. There was no discharge from these rashes.

I experienced excessive itching in my legs.

I experienced pimples which are not infected as other situation and fail to heal in normal way.

## 2. Muscle twitching.

Around early 2003, while I was living in Ottawa, for the first time I observed some neurological symptoms in my body. Important one of them is Muscle twitching around left eye and left shoulder region.

I did not consult my family Doctor, but took some Aspirin and symptoms relieved after two or three weeks.

Again around later part of 2004 or early part of 2005; while I was living in Toronto I developed similar neurological symptoms.

The muscle twitching symptom became prominent during last few months and started to affect both eyes. Some times it even difficult to open both eyes.

## 3. Elevated Blood Glucose, Cholesterol and Triglyceride levels.

I was diagnosed with high blood cholesterol and triglyceride problem around end of 2002 (while I was in Ottawa), and high blood glucose (diabetes) around end of 2004 (while I was in Toronto). My fasting blood triglyceride level and fasting blood glucose level moving up and down which may be difficult to explain. (Please see the Graphs presented).

#### 4. Bad Smell in the Breath.

Also for last two or three years I am experiencing a bad smell in my breath. I can describe it as some thing similar to a smell come from ventilation ducts when the air conditioner is starting. But this smell may be more irritating for your nose.

This smell may come after one or two hours after eating the poison food and stays for one to three hours. If I do some physical work or take sleep after the food, I do not remember having this smell.

## 5. Musculoskeletal System

## A. Muscle Cramps.

I was experiencing muscle cramps for last few years. It may not be associated with my exercise. It may even come while I was lying on the bed. These cramps got relived in few minutes without any continuous pain.

Recently I experienced a sever muscle cramp while returning from a bicycle ride for 4 or 5 km. The cramp came on quadriceps muscle and it may affected my knee joint tendons severely. Though the cramp got relived next day pain associated with the knee tendon did not heal for a while.

During 2010 May first week I experienced a sudden sever back pain around my upper back. I took some Aspirin and gave some massage with hot water bottle. It got relieved in two or three days.

#### B. Joint and Muscle Pain.

Though I was experiencing general tiredness and muscle cramps explained above over a long period of time I did not experienced any localized pain until this year.

For last few months (from March – April 2010) I may be experiencing moderate to sever form of muscle and joint pain in my upper and lower limps and also in the back.

It may start in one or two hours after I wake up from the bed and may stay for all the day. It is a kind of inflammatory pain (a pain you may experience if you have infected wound.)

#### C. Characteristic Back Pain.

I also experienced a characteristic back pain described by other victims of mercury poisoning. It localized between two shoulder blades and go up to the back of your neck. It starts with pin and needle feeling in the skin turning back into pain and gradually increases in severity. It may come while I am in bed but standing, walking carrying a back pack will increase the occurrence and severity of this pain.

#### D. Decreased Muscle Tone and Slow Moving.

I may also experienced decreased muscle tone with slow moving. One problem I experienced because of decreased muscle tone may be difficulty in sitting in chair strait. In order to sit a chair strait, I should use my arms fixed to arm rest of the chair as clutches. Whenever I am unable use my arm like this (when using computer keyboard) my body will bend like a question mark in the chair.

#### 6. Gingivitis

For last three years or so I am experiencing gingivitis, bleeding of gum and frequent infection of the gum. I also may be experiencing excessive salivation.

I talked to my dentist on 9<sup>th</sup> of June 2010. Dentist confirmed the dental filling done for me in 2003 was not done with mercury and as the Gingivitis may be cased by several factors she advised me to consult a gum specialist.

## 7. Symptoms Affecting my Eye.

I experience dim vision especially after exercise, occasional imaginary geometric figures appearing in the visual field. I also experienced burning sensation of my eyes. I experienced discharge from Eyes and complained during eye examination last few times.

I went for a complete examination of my eyes on 11<sup>th</sup> June 2010. Ophthalmologist observed only dry eyes. No other damages were observed during eye examination. Ophthalmologist prescribed "Tears Naturale" for the dry eye.

#### 8. Gastrointestinal Effects

In 2007 I experienced sever peptic ulcer symptoms and got treatment for it. I was experiencing constipation with anal fissures and related bleeding and in 2007 or 2008 went to see a GI surgeon regarding this. My few blood reports in 2008 and 2009 may have shown mild anemia. Last few months I was experiencing gastritis.

#### 9. Neurological Problems.

- A. Impairment of speech: I experienced difficulty in speaking fast or pronouncing difficult words.
- B. Hearing: I experienced difficulty in understanding rapidly told instructions.
- C. Information does not come through: If some body asks some thing suddenly I experienced difficulty in answering as the asked details failed to come immediately.
- D. Poor Muscle Coordination: I experienced following may be because of poor muscle coordination. 1. Tried to fall while climbing up or down on stairs.
  - 2. Dropped Coins when giving or receiving at shops.

#### 10. General Tiredness and Sleep Pattern.

I felt tired and sleepy all the time. Some times I slept for 14 hours a day. Many instances I wakeup after every 2 hours. Some times I was able go back to sleep immediately but many instances the sleep got disturbed and made the rest of the day sleepy and tired.

This either decreased my capacity to work or made the work very painful.

I also experienced disturbing dreams.

### 11. Psychological disturbances

I am experiencing identifiable short term memory loss over last few months.

I am also experiencing low self esteem, doing things by rote, depression and irritability.

# 12. Cardiovascular problems

I am experiencing high blood pressure and taking Ramipril 10 mg for it. The dosage was increased by my MD from 2.5 mg to 10 mg over last few years.

# 13. Urinary Symptoms

I may be experiencing urgency, frequency (only passing a small amount of urine each time) and end dribbling urinary symptoms for a long period of time. I went to see a specialist while I was in Ottawa (2002 or 2003) and he conducted an endoscope examination and told me he did not find any obvious pathology in my Urinary Tract.

## 14. Respiratory problems

I am experiencing coughing persistently once in while.

## 15. Immunological Effects

I am experiencing frozen shoulder left side which started two years before.

Now Gana Kiritharan is taking Supplement tablets (6 of them per day) Prepared by Dr. Fred Hui chelating center. Following table may give the details and comparison of Normal MultiVitamin Mineral Tablet and Dr. Fred Hui special preparation (Ultra Balance III)

# Old Supplement Compared to Dr. Fred Hui Supplement.

			Dr. F	red Hui
Vitam	ins:	Normal	(1Tab)	(6Tab)
i.	Beta Carotene (A Source of Vitamin A)	3,000	2,500	15,000
ii.	Vitamin A (Vitamin A Acetate)	1,000	1,667	10,000
iii.	Vitamin E (DL –Alpha Tocopheryl Acetate)	50	67	400
iv.	Vitamin C (Ascorbic Acid)	90	200	1200
v.	Folic Acid	0.6	133	800
vi.	Vitamin B1 (Thiamine Mononitrate)	2.25	17	100
vii.	Vitamin B2 (Riboflavin)	3.2	8	50
viii.	Niacinamide	15	7 + 25	40 + 150
ix.	Vitamin B6 (Pyridoxine Hydrochloride)	5	17	100
х.	Vitamin B12 (Cyanocobalamin)	20	17	100
xi.	Vitamin D3 (Cholecalciferal)	400	166	1,000
xii.	Biotin	45	50	300
xiii.	D-Pantothenic Acid (Calcium d-Pantothenate)	10	83	500
Mine	rals:			
xiv.	Calcium (As Phosphate and Carbonate)	16	83	500
XV.	Phosphorus (Calcium Phosphate Dibasic)	125		
xvi.	Iodine (Potassium Iodine)	15	33	200
xvii.	Iron (Ferrous Fumarate)	10		
xviii.	Magnesium (Magnesium Oxide)	50	83	500
xix.	Copper (Cupric Oxide)	2		
XX.	Manganese (Manganese Sulfate)	5	3	20
xxi.	Potassium (Potassium Chloride)	40	17	99
xxii.	Chromium (Chromium Chloride)	25	33	200
xxiii.	Molybdenum (Sodium Molybdate)	25		
xxiv.	Selenium (Sodium Selenite)	25	33	200
XXV.	Zinc (Zinc Oxide)	15	4	25
xxvi.	Nickel (Nickel Sulfate)	5		
xxvii.	Tin (stannous chloride)	0.01		
	Vanadium (Sodium Metavanadate)	10		
xxix.	Silicon (Sodium Metasilicate)	0.01		
Other	Ingredients:			
XXX.	Lutein	250		

Mediation	Morning	Evening	Chelation Medication
Diabetic			
Metformin	1000 mg	1000 mg	
Cholesterol	+		
Atorvastating	10 mg		
Other	+		
Ramipril		5 mg	
Asprin (Controled Release)	350 mg	350 mg	350 mg
5 HTP	200 mg Slow	100 mg	
Metoprolol Tartrate	25mg	25mg	
Chelating	+		
DMSA			200 mg
ALA (250 mg)			1 Daily
Potasium Citrate			1 Tablet
NAC	600 mg	600 mg	600 mg
Chlorella	500 mg	500 mg	500 mg
Vitamin C (Buffered)	500 mg	500 mg	500 mg
Other Tablets			
Normal MultiVitamin	1 Tablet		
Ultra Balance	1 Tablet	2 Tablet	
Adiitional Calcium with Vit D3	1 Tablet	1 Tablet	
Aditional Vit D3	1000mg	1000mg	
Aditional Vit B Com 100		1 Tablet	
Additional Vit E	400 IU	400 IU	
Additional Zing		25 mg	
Aditional Copper		1 Tablet	
Chromium, Vanadium, Boron, Litium	1 or 2 Caps	ules Daily	
Adre & Thyr Support	200 mg L-Thyrosine		
Milk Thirstle	2 Capsule	per Day	
MSM	1 Tablet		
Flex Seed Oil	1000 mg 2 T	imes a Day	
Garcinia Cambodia	1400 mg	1400mg	
Plaquex	900 mg	900 mg	

Type of Report =>				Hair Mineral Analysis					
Report Number =>	H 1	H 2	H3	H4	H5	Н6	H7	Н8	Н9
Date of Test =>	July 2010	July 2011	July 2012	July 2013	July 2014	July 2015	July 2016	July 2017	July 2018
Time Interval =>	Initial	Af 1 Year	Af 2 year	Af 3 Year	Af 4 Year	Af 5 Years	Af 6 Years	Af 7 Years	Af 8 Years
Provoking Agent =>									
Scale =>		-	-	μg	· /a	-	-		_
Toxic Metals \				<u>м</u> б	/6				
Total Toxic Metals	10.181	7.681	7.715	8.337	5.582	4.826	4.244	7.179	4.057
%	100.00	75.44	75.78	81.89	54.83	47.40	41.69	70.51	39.85
Arse, Bari, Cadmi,Merc	3.302	1.238	1.419	2.058	1.298	1.582	1.587	3.055	1.586
Thall, Tita, Uran %	100.00	37.49	42.97	62.33	39.31	47.91	48.06	92.52	48.03
Reat of the Metals	6.879	6.443	6.296	6.279	4.284	3.244	2.657	4.124	2.471
%	100.00	93.66	91.52	91.28	62.28	47.16	38.62	59.95	35.92
Total of Barium, Thallium,	1.419	0.678	0.909	0.842	0.525	0.557	0.998	1.603	0.676
Uranium %	100.00	47.78	64.06	59.34	37.00	39.25	70.33	112.97	47.64
Hemoglobin A1C	11.2	10.5	7.7	12.8	11.8	12.8	11.6	9.2	10.9
Arsenic	0.023	0.014	<.01	<.01	0.023	0.026	<.01	0.022	0.02
Barium	1.4	0.66	0.88	0.82	0.48	0.53	0.97	1.6	0.65
Cadmium	0.24	0.086	0.11	0.066	0.39	0.089	0.039	0.24	0.12
Mercury	1.1	0.06	0.08	0.82	0.03	0.45	0.21	0.9	0.44
Thallium	0.001	0.001	0.001	0.002	0.001	0.003	0.003	0.002	0.001
Titanium	0.52	0.4	0.32	0.33	0.33	0.46	0.34	0.29	0.33
Uranium	0.018	0.017	0.028	0.02	0.044	0.024	0.025	0.001	0.025
	Ī								
Aluminum	4.3	4.7	4.2	4.5	3	2.2	2	3	2
Antimony	0.057	0.017	0.019	0.012	0.024	0.014	0.017	0.013	0.01
Beryllium	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	0.01
Bismuth	0.042	0.005	0.007	0.016	<.002	0.01	<.002	<.002	<.002
Lead	1.8	1.4	1.7	1.6	1.1	0.85	0.42	0.9	0.26
Nickel	0.18	0.11	0.18	0.08	0.08	0.11	0.18	0.11	0.09
Platinum	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003	<.003
Silver	0.33	0.02	0.01	0.02	0.02	0.01	<.006	0.01	0.01
Thorium	<.001	0.001	<.001	0.001	<.001	<.001	<.001	0.001	0.001
Tin	0.17	0.19	0.18	0.05	0.06	0.05	0.04	0.09	0.09
Hemoglobin A1C	0.112	0.105	0.077	0.128	0.118	0.128	0.116	0.092	10.9

Type of Report =>					Challer	nged Urine Tests							
Report Number =>	U 1	U 2	U 4	U8	U9	U10	U11	U12	U13	U14			
Date of Test =>	27-Sep-10	16-Jun-11	14-Jul-11	17-Jul-12	3-Jul-13	16-Jul-14	19-Sep-16	24-Jul-17	12-Feb-18	4-Sep-18			
Time Interval =>	Initial	After 10 Months	After 11 Months	After 2 Years	After 3 Years	After 4 Years	After 6 Years 2 Months	After 7 Years.	After 7 Years and 6 months.	After 8 Years and 2 months.			
Provoking Agent =>	DMPS & CaEDTA	DMPS & CaEDTA	ALA & DMSA	ALA & DMSA	ALA & DMSA	ALA & DMSA	ALA & DMSA	ALA & DMSA	DMPS & CaEDTA	DMPS & CaEDTA			
Scale => Toxic Metals					μg/	g Creatinine	<u> </u>						
Total Toxic Metals	406.97	106.6	62.7	44.4	92.4	57.8	135.8	149.8	101.59	89.3			
%	100.00			10.91	22.70			36.81	24.96				
Arse, Bari, Cadmi,Merc	65.5	37.1	9.3	19.6	51.7	25.4	51	127.7	45.5	41			
Thall, Uran %	100.00	56.64	14.20	29.92	78.93	38.78	77.86	194.96	69.47	62.60			
Reat of the Metals	341.47	69.5	53.4	24.8	40.7	32.4	84.8	22.1	56.09	48.3			
%	100.00	20.35	15.64	7.26	11.92	9.49	24.83	6.47	16.43	14.14			
<b>A</b> •	22	10		7.0	27	14	20	110	30	00			
Arsenic	33	18	< dl	7.8	27 15	8.8	39 11	16		29 6.4			
Barium	7.6	14	7.5	11					9.5				
Cadmium	1.4	0.8	0.7	0.5	0.8	0.4	0.6	< dl	0.3	0.5			
Mercury	23	3.4	0.8	< dl	8.6	1.8	< dl	1.4	5.4	4.7			
Thallium	0.3	0.9	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.4			
Uranium	0.2	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl			
Aluminum	260	16	31	5.2	12	3.3	56	< dl	11	8.7			
Antimony	0.2	0.6	0.2	< dl	- <u></u>	0.5	< dl	< dl	1.3	0.4			
Beryllium	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl			
Bismuth	0.1	3.5	< dl	< dl	< dl	0.2	0.3	< dl	0.6	0.6			
Cesium	6.5	5.4	5.5	4.2	7.2	4.8	5	6.7	4.4	5.2			
Gadolinium	0.4	< dl	< dl	< dl		< dl	< dl	< dl	< dl	< dl			
Lead	28	15	6.1	7.1	11	16	4.1	1.8	10	12			
Nickel	25	19	9.8	7.7	10	6.8	19	13	24	16			
Palladium	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl			
Platinum	0.07	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl			
Tellurium	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl			
Thorium	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl	< dl			
Tin	21	10	0.8	0.4	0.3	0.6	0.3	0.3	4.7	5.2			
Tungsten	0.2	< dl	< dl	0.2	0.2	0.2	0.1	0.3	0.09	0.2			
Hemoglobin A1C	0.112	0.105	0.105	0.077	0.128	0.118	0.116	0.092	0.108	0.101			

Type of Report =>						Challenged Ur	ine Tests
Report Number =>	U 1	U 2	U 3	U 4	U 5	U 6	U7
Date of Test =>	27-Sep-10	16-Jun-11	1-Jul-11	14-Jul-11	12-Oct-11	5-Dec-11	7-Mar-12
Time Interval =>	Initial	After 10 Months	After 2 Weeks	After 2 Weeks	After 3 Months	After 6 weeks	After 3 Months
Provoking Agent =>	DMPS & CaEDTA	DMPS & CaEDTA	DMSA	ALA & DMSA	DMSA	DMSA	DMSA
Scale =>							
Toxic Metals							
Total Toxic Metals	406.97	106.6	34.45	62.7	51.78	45.3	50.9
Aluminum	260	16	6.3	31	7.1	< dl	4.7
Antimony	0.2	0.6	0.2	0.2	0.2	< dl	0.1
Arsenic	33	18	5	< dl	7.8	9.1	9.7
Barium	7.6	14	4.9	7.5	9.1	8.8	13
Beryllium	< dl	< dl	< dl	< dl	< dl	< dl	< dl
Bismuth	0.1	3.5	< dl	< dl	< dl	< dl	< dl
Cadmium	1.4	0.8	0.6	0.7	0.7	0.6	0.4
Cesium	6.5	5.4	3.9	5.5	7.6	6.1	5.7
Gadolinium	0.4	< dl	< dl	< dl	< dl	< dl	< dl
Lead	28	15	5.8	6.1	5.7	6	5.5
Mercury	23	3.4	0.5	0.8	0.7	1.1	0.7
Nickel	25	19	6.6	9.8	12	13	10
Palladium	< dl	< dl	< dl	< dl	< dl	< dl	< dl
Platinum	0.07	< dl	< dl	< dl	< dl	< dl	0.2
Silver							
Tellurium	< dl	< dl	< dl	< dl	< dl	< dl	< dl
Thallium	0.3	0.9	0.3	0.3	0.4	0.4	0.5
Thorium	< dl	< dl	< dl	< dl	< dl	< dl	< dl
Tin	21	10	0.3	0.8	0.4	0.2	0.4
Titanium	N/A						
Tungsten	0.2	< dl	0.05	< dl	0.08	< dl	< dl
Uranium	0.2	< dl	< dl	< dl	< dl	< dl	< dl

U8	U9	U10	U11	U12	U13	U14
17-Jul-12	3-Jul-13	16-Jul-14	19-Sep-16	24-Jul-17	12-Feb-18	4-Sep-18
After 4 Months	After 1 year	After 1 Year	Af 2 Ye 2 Months	After 10 Months.	After 7 Months.	After 7 months.
ALA & DMSA	ALA & DMSA	ALA & DMSA	ALA & DMSA	ALA & DMSA	DMPS & CaEDTA	DMPS & CaEDTA
μg/g Creatini	ne					
44.4	92.4	57.8	135.8	149.8	101.59	89.3
5.2	12	3.3	56	< dl	11	8.7
< dl	< dl	0.5	< dl	< dl	1.3	0.40
7.8	27	14	39	110.00	30.00	29
11	15	8.8	11	16	9.5	6.40
< dl	< dl	< dl	0.3	< dl	< dl	< dl
< dl	< dl	0.2	< dl	< dl	0.6	0.6
0.5	0.8	0.4	0.6	< dl	0.3	0.5
4.2	7.2	4.8	5	6.7	4.4	5.2
< dl	< dl	< dl	< dl	< dl	< dl	
7.1	11	16	4.1	1.8	10	12
< dl	8.6	1.8	< dl	1.4	5.4	4.7
7.7	10	6.8	19	13	24	16
< dl	< dl	< dl	< dl	< dl	< dl	< dl
< dl	< dl	< dl	< dl	< dl	< dl	< dl
< dl	< dl	< dl	< dl	< dl	< dl	< dl
0.3	0.3	0.4	0.4	0.3	0.3	0.4
< dl	< dl	< dl	< dl	< dl	< dl	
0.4	0.3	0.6	0.3	0.3	4.7	5.2
0.2	0.2	0.2	0.1	0.3	0.09	0.2
< dl	< dl	< dl	< dl	< dl	< dl	< dl

