Provocation tests for intoxication with Heavy Metals.

Patient / Scanned for PD * / males = m	Diagnose Year	Intoxication with Heavy Metals Dimaval-test	Pre-test / Post-test / Latest post-level of Mercury nanomol / litre 1#	Pre-test / Post- test / Latest post-level of Copper micromol / 24 hr. 2#	First date / Last date tested for intoxication	Treatment for Heavy Metal intox. with Chelating Agents	Improve of health.	Amalgam removed complete / increased PD-symptoms while remove 5#
AK * f	1998 +PD	Cu,Hg	2 72 80	0,1 5,7 16,9	22.02.2001 14,04.2005	Yes	?	Yes / ?
AO m	1996 PD	÷	1 9	0,1 1,9	25.03.2004	No	-	Yes / ?
BF * m	2007 PD	Cu,Hg	6 677 30	0,3 15.3 4,0	04.03.2008 06.10.2008	Yes	No	Yes / No
CK f	1999 PD	Cu,Hg	1 62 22,5	0,3 6,9 3,7	05.08.2008 26.09.2008	Yes	No	Yes / No
CL m	1996 PD	Cu	2 42 5	0,1 5,5 10,8	15.01.2003 10.02.2004	Partiel	Yes ?	Yes / ?
DV m	2001 PD	Cu,Hg	1 157 27	0,1 9,4 3,1	08.05.2003 23.10.2003	Yes	No	Yes / No
DY * f	2001 PD	Cu,Hg	3 93 48	0,1 13.7 8,2	26.02.2008 23.09.2009	Yes	Yes	Yes / No
EH m	2003 PD	Cu,Hg	9 100 29	0,2 5,0 3.0	10.09.2007 09.03.2008	Yes	No	No / Yes
FE f	2002 PD	Cu,Hg	4 133	0,1 5,2	16.09.2008	No	-	Yes / Yes
FI f	2001 PD	Cu,Hg	2 1162 266	0,3 22,6 7,1	31.10.2002 13.07.2005	Yes	?	Yes / ?
JC * f	2006 PD	Cu,Hg	1 161	0,1 4,6	09.08.2007	No	?	No / ?
HA f	2009 PD	Cu,Hg	3 409 41	0,2 15,6 7,2	17.12.2009 28.11.2011	Yes	No	Yes / No
HBO m	2005 PD	Cu,Hg	3 188	0,2 9,4	21.03.2005 ?	Yes	Yes	Yes / Yes
OH m	2007 PD	Cu,Hg	7 660 76	0,2 23,8 6,0	22.04.2010 06.11.2010	Yes	No	Yes / No
OO * f	2010 PD	Cu	1 61	0,1 6,7	21.11.2011	Yes	-	No /
HJ m	2001 PD	Cu,Hg	9 109	0,1 8,1	12.05.2004	No	?	Yes / No
JL f	2002 PD	Cu,Hg	2 472 76	0.1 6,9 5,1	22.03.2004 12.05.2005	Partiel	Yes	Yes / ?
KI f	2008 PD	Cu,Hg	1 128 26	0,3 13,6 5	21.04.2008 18.08.2009	Yes	?	Yes / No
KH * f	1998 PD	Cu,(Pb,Al) 6*	1 46 16	0,1 3,1 3,7	11.04.2001 22.11.2005	Yes	Yes	Yes / Yes
NL * m	1995 PD	÷	2 73	0,1 2	??.10.2004 ??.10.2004	No	-	-
NR m	2004 PD	Cu,Hg	27 724 309	0,4 9,9 16,2	17.07.2007 22.09.2008	Yes	No	Yes / Yes
PU * f	2004 PD	Cu,Hg	6 385 119	0.1 11, 2 6,3	29.03.2005 14.07.2005	No	-	Yes / No
RK * f 6#	2009 PD	Cu	1,5 33 8	0,2 4,0 2,8	06.07.2009 16.09.2009	Yes	-	Yes / No
HO * m	2003 PD	Cu,Hg	3 523	0,1 28,1	27.01.2010	No	-	No /
SB * f 7#	2005 PD	Cu,Hg		-	30.11.2006	No	No	No / ?
SE f	2004 PD	Cu	1 14 19	0,5 8,8 3,2	06.01.2005 26.05.2005	Yes	Yes	Yes / No
SG f	1998 PD	Cu	1 7 13	0,4 18,6 18,7	22.01.2007 ? 2008	Yes	Yes 11#	Yes / Yes
SS m	2000 PD	Cu,Hg	4 304 147	0,1 9,6 8,8	24.04.2003 04.03.2004	No	?	Yes / ?
SSB * f	2000 PD	Cu	1 60	0,2 6,9	28.11.2008	No		Yes / No
VU m	2007 PD	Cu,Hg	2 83 58	0,5 6,6 5,7	25.02.2008 20.05.2008	Yes	Yes	No / No
WN m	2002 PD	Cu	1 57	0,2 10,4	25.05.2004	No	No	Yes / ?

Patient / Scanned for PD * / males = m	Diagnose Year	Intoxication with Heavy Metals Dimaval-test	Pre-test / Post-test / Latest post-level of Mercury µg / g creatinine 3#	Pre-test / Post- test / Latest post-level of Copper µg / mg creatinine 4#	First date / Last date tested for intoxication	Treatment for Heavy Metal intox. with Chelating Agents	Improve of health.	Amalgam removed complete / increased PD-symptoms while remove 5#
RK *f 6#	2009 PD	Cu,Hg,Pb,Cd,Sb	- 29 15	- 0,99 0.67	22.06.2010 23.08.2011	Yes	-	Yes / No
SF *m 13#	2009 PD	Cu,Hg	- 15	- 0,66	23.09.2009	Yes	-	Yes / ?
HA f	2009 PD	Cu,Hg,Sb	- 16	- 0,6	28.11.2011	Yes	No	Yes / No

Patient / Scanned for PD * / males = m	Diagnose Year	Intoxication with Heavy Metals Atamir-test	Pre-test / Post-test / Latest post-level of Mercury µg / g creatinine 3#	Pre-test / Post- test / Latest post-level of Copper µg / mg creatinine 4#	First date / Last date tested for intoxication	Treatment for Heavy Metal intox. with Chelating Agents	Improve of health.	Amalgam removed complete / increased PD-symptoms while remove 5#
AJ f	2008 PD	Cu,Pb	1,0 1,8	0.0013 0,99	07.07.2008	No		No /
BH * m	2005 PD	Cu,Pb	1,4 2.8	0,001 1,0	11.10.2007	Yes	No	Yes / No
DA f	2001 PD	?	- 2,7		29.06.2005	No	-	Yes / Yes
EY f	1999 PD	Cu,Hg,Pb	1,6 3,8	Not done 0,928	15.07.2005	No	Yes	Yes / No
EK * m	2009 PD	Cu	0,7 1,6	0,007 0,54	26.12.2008	No	?	Yes / No
GA f	1990 PD	Cu,Hg	- 4,6	0,017 0,81	10.10.2008	Yes	-	No / ?
HH * f	2010 PD	Cu,PB,Ba,Cs	3,2 0.8 4,1	O,013 0,5 0,61	12.10.2010 04.07.2011	Yes	?	No / ?
HL * f	2005 +PD	Cu,Hg,Pb	4 6,4 2,7	0,010 0,834	10.12.2005 26.08.2006	Yes		
JC * f	2005 PD	Cu,Pb	<dl 0,5	Not done 1,2	18.10.2009	Yes		
JH * m	2008 PD	Cu,Hg, Al,As,Ni	1,3 3,0 2,0	0,006 0,66 0,54	03.08.2008 15.04.2012	Yes	No	Yes / No
JI f	2003 PD	Cu,Hg	1,1 4,6 2,3	Not done 0,85 0,85	27.03.2006 16.09.2006	No	No	Yes / No
JNO m	2007 PD	Cu, Cd	0,9 1,3 0,7	0,011 0,63 0,39	06.02.2008 09.03.2010	Yes	No	Yes / No
KE * f	1998 PD	Cu	0,3 0,6	Not done 0,575	16.06.2005	No	-	No / No
KHe f	2004 PD	Cu, Hg, Pb,	4,4 6,4 4,5	0.013 0,47 0,73	05.03.2008 08.09.2008	Yes	-	Yes / No
KJ * f	2004 PD	Cu, As	2,5 0,9 3,4	0,014 0,82 0,97	06.04.2008 12.07.2009	Yes	No	Yes / No
LI * f	2009 PD	Cu,Pb,Cs,Th,Tl, W	0,9 1,9	0,033 0.98	28.02.2010	Yes ?	-	Yes /
LEN * m	2004 PD	Cu,Hg,Pb,Ni,Th	1,5 4,5 3,6	0,008 0,47 0,64	11.02.2007 18.04.2008	Yes	No	No / Yes
MA * f 8#	2007 PD	Cu, ?	0,4 0.9	Not done 0,46 0,33	15.02.2008 02.09.2008	Yes	No	No
MU * f 15#	2010 PD	Cu,Pb,Ba, Gd	3.9 1,5 2,6	Not done 1,2 0,015	28.10.2010 02.05.2012	Yes	Yes	Yes / ?
OG * f	1997 PD	Cu,Hg	4,9 3,1 4,9	Not done 0,413 0,62	01.07.2005 16.10.2008	Yes	No	Yes
PA f	1999 PD	Cu,Pb	1,2 3,1	Not done 1,5	07.07.2010	Yes	-	No
SEL m	2006 PD	Cu,Hg,Pb	1,2 2,1 0,5	0,009 0,424 0,66	26.02.2006 20.06.2008	Yes	?	Yes / Yes
SI * f	2009 PD	Cu,Hg,Pb,Ba,Ce	Not done 2,5 3,7	Not done 0,58 0,91	14.02.2009 12.01.2010	Yes	?	Yes / ?
VU m	2007 PD	Cu, Hg,Pb 14#	- 1,9 3,4	- Not done 0,5	12.12.2009 27.08.2010	Yes	?	Yes / ?
ZS * f	2004 PD	Cu	0,7 1,5 1,5	0,002 0,58 0,58	09.02.2008	Yes	No	No / No

Patient / Scanned for PD * / males = m	Diagnose Year	Intoxication with Heavy Metals DMSA-test	Pre-test / Post-test / Latest post-level of Mercury µg / g creatinine 3 #	Pre-test / Post- test / Latest post-level of Copper mg / mg creatinine 4 #	First date / Last date tested for intoxication	Treatment for Heavy Metal intox. with Chelating Agents	Improve of health	Amalgam removed complete / increased PD-symptoms while remove 5#
CM * f	2005 PD	Hg,Pb	Not done 6,7	Not done Not done	18.02.2007	Yes	Yes	Yes /
DV m	2001 PD	Hg,Pb	Not done 3,6	Not done 0,075	22.09.2008	Yes	No	Yes / No
EH m	2003 PD	Hg,Cu,Pb,Cs,W, U	Not done 4,1	Not done 0,12	11.08.2011	Yes	No	No/ Yes
HK m	2003 PD	Cu,Hg,Pb 10#	Not done 7	Not done 0,196	04.09.2005	Yes	Yes	Yes / Yes
KH * f	1998 PD	(Cu),Pb,Al,Ba	Not done 2,6 3,8	Not done 0,064 0,066	31.10.2007 14.06.2010	Yes	Yes	Yes / Yes
NB f	2002 PD	Hg,Pb	Not done 9,4	Not done 0.081	05.05.2008	No	No	Yes / No
NT * m	2006 +PD	As,Cd,Pb,Ni,TI	Not done 0,7	Not done 0,036	28.05.2007	No	No	Yes / -
QK f	2005 PD	As,Pb,Th	Not done 2,7	Not done 0,033	20.06.2006	Yes	?	Yes / No
WV m	2005 PD	As,Ba,Cd,Cs,Pb, TI	0,9 1,8 0,9	0,01 0,022 0.008	30.03.2009 09.08.2010	Yes	Yes	Yes / ?

Cu = Cobber- intoxication / - elevated
Hg = Mercury intoxication / -elevated
Pb = Lead intoxication / -elevated

PD = Parkinson disease
PD+ = Parkinson Plus disease

Patients tested with Dimaval are normally tested for Mercury and Copper only.

1# Note: Reference ranges 5-82 nanomol / litre. 250 nanomol / litre are absolutely a heavy intoxication. No lowest level is safe. (Ref. Range can be discussed).
2# Note: Reference ranges 0,1 –1,3 micro mol / 24 hr. Chelated test must be < 3,0 micro mol / 24 hr (Ref. Range can be discussed).
3# Note: Reference ranges < 3 µg / mg creatinine. No lowest level is safe.
4# Note: Reference ranges 0.01 - 0.09 µg / mg creatinine. (Ref. Range can be discussed.)
5# Note: No patients, except SG and DA, have claimed to get increased symptoms when using safe removal of amalgam by the rules recommended by IAOMT.
6# Note: The patient have been though some treatment with chelating Agent before the chelating test. Test shows intoxication with Sb, Cs, Pt and TI too.
7# Note: Pre-test mercury 1,1 µg Hg / g creatinine. Post-test mercury 49 µg Hg / g creatinine. Post-test copper 431 µg / g creatinine.
8# Note: Test 1. and 2. done by “normal” doctor with subnormal dose of Atamir (750 mg.). The test result indicates intoxication with copper. High in Nickel.
9# Note: Patient TA is acute intoxicated with Mercury and that is why the patient is not testes with Chelating Agents. Copper is tested the 25.06.2008 12,6 µmol / litre which is within reference ranges
10# Note: Urine samples collected 6 hours and not 24 hours as stated to the laboratory.
11# Note: Planed operation for PD has been cancelled after health improve.
12# Note: Repeat test with fresh sample is recommended.
13# Note: Urine sample collected 6 hours
14# Note: The patient is intoxicated with several other heavy metals too. As, Be, Cs, Th.
15# Note: Gadolinium pretest 70 µg / mg creatinine. Posttest 50 µg / mg creatinine Test 2012.05.2 urine collected only 16 hours.

Patients tested with more than one Chelating Agent: KH, HK, VU and NB

In patients SEL and KH intoxication / elevated levels of Aluminium seem to poop up after several treatments with Chelating Agents.

Pre- and Post-test is normally done the same day or within few days

The level of Mercury or Copper could be fluctuating. This means that the lowest level is not always the latest level. But in most cases the level of the Heavy Metals are decreased when treated.
Note that the patient also could be re-intoxicated.

Copper is said to be chelated before other heavy metals as ex. Mercury and Lead, which means that a high level of Copper could mask a higher level of Mercury (or Lead) than seen.