

PATIENT: Number 524 SEX: Male AGE: 61

## Toxic & Essential Elements; Hair

$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	TOXIC METALS							
Aluminum (A) 0.8 < 7.0 Antimory (Sb) 0.018 < 0.066 Arsenic (As) 0.18 < 0.066 Arsenic (As) 0.018 < 0.066 Barlum (Ba) 0.06 < 1.0 Barlum (Ba) 0.06 < 0.10 Cadmium (Cd) 0.022 < 0.06 Cadmium (Cd) 0.022 < 0.06 Cadmium (Cd) 0.022 < 0.06 Mercury (Hg) 0.11 < 0.061 Cadmium (Th) 0.001 < 0.002 Thorium (Th) 0.001 < 0.002 Thorium (Th) 0.003 < 0.005 Nickel (Ni) 0.033 < 0.06 Thorium (Th) 0.066 < 0.30 Nickel (Ni) 0.033 < 0.06 Tianium (Ga) 0.066 < 0.30 Tianium (Th) 0.32 < 0.06 Tianium (Th) 0.32 < 0.06 Total Toxic Representation ESSENTIAL AND OTHER ELEMENTS ESSENTIAL ND OTHER ELEMENTS ESSENTIAL ND 0.66 Calcium (Ca) 433 200-750 Total Toxic Representation ESSENTIAL ND 0.750 Total Toxic Representation Calcium (Ca) 433 200-750 Percentation ESSENTIAL ND 0.06 Calcium (Ca) 433 200-750 Percentation ESSENTIAL ND 0.06 Calcium (Ca) 433 200-750 Total Toxic Representation ESSENTIAL ND 0.06 Calcium (Ca) 433 200-750 Fercentation ESSENTIAL ND 0.06 Calcium (Ca) 433 200-750 Calcium (Ca) 435 Calcium (Ca) 435 Calcium (Ca) 435 Calcium (Ca) 435 C			RESULT	REFERENCE	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>			
Antimony (Sb) 0.018 < 0.066 Arsenic (As) 0.18 < 0.060 Barium (Ba) 0.06 < 0.020 Barium (Ba) 0.022 < 2.0 Cadmium (Cd) 0.029 < 0.065 Head (Pb) 1.0 < 0.020 Cadmium (Cd) 0.029 < 0.065 Head (Pb) 1.0 < 0.020 Head (Pb) 1.0 < 0.002 Head (Pb) 1.0 Head (Pb) 1.0	Aluminum	(AI)			-	<u> </u>		
Arsenic       (As)       0.18       < 0.080	Antimony		0.018	< 0.066	-			
Berylium         (Be)         < 0.01         < 0.020           Cadmium         (Cd)         0.022         < 2.0	Arsenic	(As)	0.18	< 0.080				
Berylium         (Be)         < 0.01         < 0.020           Cadmium         (Cd)         0.022         < 2.0	Barium	(Ba)	0.06	< 1.0	•			
Bismuth (Bi) 0.022 < 2.0 Cadmium (Cd) 0.029 < 0.055 Mercury (Hg) 0.11 < 0.86 Mercury (Hg) 0.11 < 0.86 Mercury (Hg) 0.01 < 0.002 Thallium (Th) 0.001 < 0.002 Uranium (U) 0.003 < 0.005 Uranium (U) 0.003 < 0.060 Nickel (Ni) 0.03 < 0.22 Tin (Sn) 0.06 < 0.30 Titalium (Th) 0.32 < 0.60 Silver (Aq) 0.04 < 0.08 Titalium (Th) 0.32 < 0.60 Table (Ni) 0.03 < 0.22 Calcium (Ca) 433 200- 750 Calcium (Ca) 433 200- 750 Calcium (Na) 180 202- 180 Magnesium (Mg) 35 25- 75 Calcium (Ca) 190 130- 200 Magnese (Mn) 0.06 0.08 0.50 Chromium (V) 0.11 0.32 - 0.60 Manganese (Mn) 0.06 0.08 0.50 Chromium (V) 0.11 0.025 0.060 Manganese (Mn) 0.06 0.08 0.50 Chromium (V) 0.11 0.025 0.060 Boron (B) 1.2 0.040 - 500 Manganese (P) 199 130- 200 Manganese (Mn) 0.06 0.08 0.50 Chromium (V) 0.11 0.025 0.060 Boron (B) 1.2 0.040 - 500 Chromium (Sr) 0.440 0.70- 1.2 Strotium (Sr) 0.48 0.400 - 500 Chromium (Sr) 0.48 0.400 - 500 Chromium (Sr) 0.48 0.001 - 0.22 Manganese (P) 198 150- 220 Manganese (P) 198 150- 220 Strotium (Sr) 0.48 0.002 - 0.02 Phosphorus (P) 198 150- 220 Calcium (Sr) 0.48 0.002 - 0.02 Manganese (P) 198 150- 220 Calcium (Sr) 0.48 0.002 - 0.02 Manganese (P) 198 150- 220 Calcium (Sr) 0.48 0.002 - 0.02 Manganese (P) 198 150- 220 Calcium (Sr) 0.48 0.002 - 0.02 Manganese (P) 198 150- 220 Cobalt (Co) 0.005 0.004 0.007 - 0.20 Phosphorus (P) 198 150- 220 Calcium (Sr) 0.48 0.001 - 0.12 Calcium (Sr) 0.48 0.002 - 0.44 Calcium (Sr) 0.48 0.00		(Be)	< 0.01	< 0.020				
Cadmium         (Cd)         0.029         < 0.055           Lead         (Pb)         1.0         < 0.80	Bismuth	(Bi)	0.022	< 2.0	•			
Lead         (Pb)         1.0         < 0.80	Cadmium	· · ·		< 0.065				
Mercury         (Hg)         0.11         < 0.80           Platinum         (Pb)         < 0.003	Lead	(Pb)	1.0	< 0.80				
Platinum       (Pt)       < 0.003	Mercury	(Hg)	0.11	< 0.80	-			
Thailum       (Th)       0.001       < 0.002	Platinum	( U)	< 0.003	< 0.005				
Thorium         (Th)         < 0.001         < 0.002           Uranium         (U)         0.003         < 0.060	Thallium				•			
Uranium         (U)         0.003         < 0.060           Nickel         (Ni)         0.03         < 0.20								
Nickel         (Ni)         0.03         <         0.20           Silver         (Ag)         0.04         <					•			
Silver         (Ag)         0.04         < 0.08           Tin         (Sn)         0.06         < 0.30								
Tin         (Sn)         0.06         <         0.30           Titanium         (T)         0.32         <								
Titanium       (Ti)       0.32       < 0.60         Total Toxic Representation         ESSENTIAL AND OTHER ELEMENTS         RESULT       REFULT         µµ/q       REFERENCE       2.5°       16°       9°       84°       97.5°         Galcium       (Ca)       433       200 -       750       9°					-			
Total Toxic Representation           ESSENTIAL AND OTHER ELEMENTS           RESULT         RESULT         REREPACE INTERVAL           ug/g         REFERENCE INTERVAL         PERCENTLE           ug/g         RESULT         RESULT           Magnesium         (Mg)         35           Sodium         (Ca)         180           Potassium         (K)         5           Colspan         (Cu)         144         11         30           Colspan=         (Cu)         144         11           Colspan=         (Cu)         144         11           Colspan=         (Cu)         144         145           Colspat         (Cu) <th c<="" td=""><td></td><td>1 <i>1</i></td><th></th><td></td><td></td><td></td><td></td></th>	<td></td> <td>1 <i>1</i></td> <th></th> <td></td> <td></td> <td></td> <td></td>		1 <i>1</i>					
ESSENTIAL AND OTHER ELEMENTS           RESULT ug/g         REFERENCE NERVAL NERVAL         2.5" 16"         PERCENTILE 50"         84" 97.5"           Calcium         (Ca)         433         200-         750         5		(1)	0.02	\$ 0.00				
RESULT µµg/g         REFERENCE INTERVAL NTERVAL         2.5"         PERCENTLE 00"         PERCENTLE 84"         PERCENTLE 97.5"           Calcium         (Ca)         433         200         750								
ug/g         INTERVAL         2.5 <sup>th</sup> 16 <sup>th</sup> 54 <sup>th</sup> 97.5 <sup>th</sup> Calcium         (Ga)         433         200-         750								
Calcium       (Ca)       433       200-750         Magnesium       (Mg)       35       25-75         Sodium       (Na)       180       20-180         Potassium       (K)       58       9-80         Copper       (Cu)       14       11-30         Zinc       (Zn)       190       130-200         Manganese       (Mn)       0.06       0.08-0.55         Chromium       (Cr)       0.64       0.40-0.70         Vanadium       (V)       0.11       0.08-0.065         Molybdenum       (Mo)       0.043       0.025-0.066         Boron       (B)       1.2       0.40-3.0         Iddine       (I)       0.59       0.25-1.8         Lithium       (Li)       < 0.044				_	2.5 <sup>th</sup> 16 <sup>th</sup>		84 <sup>th</sup> 97.5 <sup>th</sup>	
Magnesium       (Mg)       35       25-       75         Sodium       (Na)       180       20-       180         Potassium       (K)       58       9-       80         Copper       (Cu)       14       11-       30         Zinc       (Zn)       190       130-       200         Magnese       (Mn)       0.06       0.08-       0.50         Chromium       (Cr)       0.64       0.40-       0.70         Vanadium       (V)       0.11       0.018-       0.065         Molybdenum       (Mo)       0.043       0.025-       0.60         Boron       (B)       1.2       0.40-       3.0         Ithium       (Li)       < 0.004       0.007-       0.20         Phosphorus       (P)       198       150-       220         Strontium       (Sr)       0.49       0.30-       3.5	Calcium	(Ca)			210 10			
Sodium         (Na)         180         20-         180           Potassium         (K)         58         9-         80           Copper         (Cu)         14         11-         30           Zinc         (Zn)         190         130-         200           Manganese         (Mn)         0.06         0.08-         0.50           Chromium         (Cr)         0.64         0.40-         0.70           Vanadium         (V)         0.11         0.025-         0.660           Boron         (B)         1.2         0.40-         3.0           Iddine         (I)         0.59         0.25-         1.8           Uthium         (Li)         < 0.004         0.007-         0.20           Phosphorus         (P)         198         150-         220           Phosphorus         (P)         198         150-         220           Strontium         (Sr)         0.49         0.30-         3.5           Suffur         (S)         48500         44000-         50000           Cobalt         (Co)         0.0028         0.030-         0.404           Na/K         0.01-         0.12		1 1						
Potassium         (K)         58         9-         80           Copper         (Cu)         14         11-         30           Zinc         (Zn)         190         130-         200           Manganese         (Mn)         0.06         0.08-         0.50           Chromium         (Cr)         0.64         0.40-         0.70           Vanadium         (V)         0.11         0.018-         0.065           Molybdenum         (Mo)         0.043         0.025-         0.60           Boron         (B)         1.2         0.40-         3.0           Iodine         (I)         0.59         0.25-         1.8           Lithium         (Li)         < 0.004								
Copper         (Cu)         14         11-         30           Zinc         (Zn)         190         130-         200           Manganese         (Mn)         0.06         0.08-         0.50           Chromium         (Cr)         0.64         0.40-         0.70           Vanadium         (V)         0.11         0.018-         0.065           Molybdenum         (Mo)         0.043         0.025-         0.60           Boron         (B)         1.2         0.40-         3.0           Iodine         (I)         0.59         0.25-         1.8         -           Lithium         (Li)         < 0.004         0.007-         0.20           Phosphorus         (P)         198         150-         220           Strontium         (Sr)         0.49         0.30-         3.5           Sulfur         (S)         48500         44000-         50000           Cobalt         (Co)         0.005         0.004-         0.020           Iron         (Fe)         6.8         7.0-         16           Germanium         (Ge)         0.028         0.030-         0.040           Rubidium								
Zinc       (Zn)       190       130-200         Manganese       (Mn)       0.06       0.08-0.50         Chromium       (Cr)       0.64       0.40-0.70         Vanadium       (V)       0.11       0.08-0.065         Boron       (B)       1.2       0.40-3.0         Iodine       (I)       0.59       0.25-1.8         Lithium       (Li)       <0.004       0.007-0.020         Phosphorus       (P)       198       150-220         Selenium       (Se)       0.80       0.70-1.2         Strontium       (Sr)       0.49       0.30-3.5         Sulfur       (S)       48500       4400-50000         Cobalt       (Co)       0.005       0.040-0.020         Iron       (Fe)       6.8       7.0-16       ELEMENTS         Sectimentia       (Se)       0.048       0.011-0.12       Column         Zirconium       (Zr)       0.046       0.020-0.44       Ca/Mg       2.4       4-30         Date Collected: 9/17/2011       Sample Size: 0.197 g       RA105       RA06         Date Completed: 9/20/2011       Sample Size: 0.197 g       Na/K       Na/K       Na       0.8-8       Na/K								
Manganese         (Mn)         0.06         0.08-0.50           Chromium         (Cr)         0.64         0.40-0.70           Vanadium         (V)         0.11         0.018-0.065           Molybdenum         (Mo)         0.043         0.025-0.060           Boron         (B)         1.2         0.40-3.0           Iodine         (I)         0.59         0.25-1.8           Lithium         (Li)         < 0.004         0.007-0.020           Phosphorus         (P)         198         150-220           Strontium         (Sr)         0.49         0.30-3.5           Sulfur         (S)         48500         44000-50000           Cobalt         (Co)         0.005         0.004-0.020           Iron         (Fe)         6.8         7.0-16           Germanium         (Ge)         0.028         0.001-0.12           Rubidium         (Rb)         0.048         0.011-0.12           Zirconium         (Zr)         0.046         0.020-0.44           Date Collected: 9/17/2011         Sample Size: 0.197 g         Na/K         Na/K         Na/K         Na/K           Date Completed: 9/23/2011         Hair Color: Black         Treatment:							•••••	
Chromium         (Cr)         0.64         0.40-0.70           Vanadium         (V)         0.11         0.018-0.065           Molybdenum         (Mo)         0.043         0.025-0.060           Boron         (B)         1.2         0.40-3.0           Iodine         (I)         0.59         0.25-1.8           Lithium         (Li)         < 0.004         0.007-0.020           Phosphorus         (P)         198         150-220           Stentium         (Se)         0.80         0.70-1.2           Strontium         (Sr)         0.49         0.30-3.5           Sulfur         (Ge)         0.028         0.004-0.020           Iron         (Fe)         6.8         7.0-16           Germanium         (Ge)         0.028         0.030-0.040           Rubidium         (Rb)         0.048         0.011-0.12           Zirconium         (Zr)         0.046         0.020-0.44           SPECIMEN DATA         RATIOS           COMMENTS:         Sample Size: 0.197 g           Date Collected: 9/17/2011         Sample Size: 0.197 g         Na/K         3.1         0.5-10           Date Completed: 9/20/2011         Sample Type: Head         <								
Vanadium         (V)         0.11         0.018-0.065           Molybdenum         (Mo)         0.043         0.025-0.060           Boron         (B)         1.2         0.40-3.0         •           Iodine         (I)         0.59         0.25-1.8         •           Lithium         (Li)         <0.004         0.007-0.020         •           Phosphorus         (P)         198         150-220         •           Selenium         (Se)         0.80         0.70-1.2         •           Strontium         (Sr)         0.49         0.30-3.5         •           Sulfur         (S)         48500         44000-50000         •           Cobalt         (Co)         0.005         0.004-0.020         •           Iron         (Fe)         6.8         7.0-16         •           Germanium         (Ge)         0.028         0.030-0.040         •           Zirconium         (Zr)         0.046         0.020-0.44         •           Date Collected: 9/17/2011         Sample Size: 0.197 g         RATIOS         RANGE           Date Received: 9/20/2011         Sample Type: Head         Na/K         3.1         0.5-10							•••••	
Molybdenum         (Mo)         0.043         0.025-0.060           Boron         (B)         1.2         0.40-3.0           Iodine         (I)         0.59         0.25-1.8           Lithium         (Li)         <0.004         0.007-0.020           Phosphorus         (P)         198         150-220           Stennium         (Se)         0.80         0.70-1.2           Strontium         (Sr)         0.49         0.30-3.5           Sulfur         (S)         48500         4400-5000           Cobalt         (Co)         0.005         0.004-0.020           Iron         (Fe)         6.8         7.0-16           Germanium         (Ge)         0.028         0.030-0.040           Rubidium         (Rb)         0.046         0.02-0.44           SPECIMEN DATA         RATIOS         RANCE           COMMENTS:         Sample Size: 0.197 g         Na/K         3.1         0.5-10           Date Collected: 9/17/2011         Sample Size: 0.197 g         Na/K         3.1         0.5-10           Date Collected: 9/23/2011         Hair Color: Black         Na/K         3.1         0.5-10           Date Completed: 9/23/2011         Hair Color: Black<								
Boron         (B)         1.2         0.40-3.0           Iodine         (I)         0.59         0.25-1.8           Lithium         (Li)         < 0.004         0.007-0.020           Phosphorus         (P)         198         150-220           Selenium         (Se)         0.80         0.70-1.2           Strontium         (Sr)         0.49         0.30-3.5           Sulfur         (S)         448500         44000-50000           Cobalt         (Co)         0.005         0.004-0.020           Iron         (Fe)         6.8         7.0-16           Germanium         (Ge)         0.028         0.030-0.040           Rubidium         (Rb)         0.046         0.020-0.44           Specimen DATA         RATIOS           COMMENTS:         Specimen DATA         RATIOS           Date Collected:         9/17/2011         Sample Size: 0.197 g         0.8-3           Date Collected:         9/17/2011         Sample Size: 0.197 g         Na/K         3.1         0.5-10           Date Collected:         9/20/2011         Sample Type: Head         Na/K         3.1         0.5-10           Date Completed:         9/23/2011         Hair Color: Blac								
Iodine         (I)         0.59         0.25-         1.8           Lithium         (Li)         < 0.004         0.007-         0.020           Phosphorus         (P)         198         150-         220           Selenium         (Se)         0.80         0.70-         1.2           Strontium         (Sr)         0.49         0.30-         3.5           Sulfur         (S)         48500         44000-         50000           Cobalt         (Co)         0.005         0.004-         0.020           Iron         (Fe)         6.8         7.0-         16           Germanium         (Ge)         0.028         0.001-         0.12           Zirconium         (Zr)         0.046         0.020-         0.44           SPECIMEN DATA         RATIOS         RANGE           COMMENTS:         Pathematic Scie:         0.197 g         Ca/P         2.19         0.8- 8           Date Collected:         9/17/2011         Sample Size:         0.197 g         Ca/P         2.19         0.8- 8           Date Completed:         9/20/2011         Sample Type: Head         Na/K         3.1         0.5- 10           Date Completed:						•	•••••	
Lithium         (Li)         < 0.004         0.007-0.020           Phosphorus         (P)         198         150-220           Selenium         (Se)         0.80         0.70-1.2           Strontium         (Sr)         0.49         0.30-3.5           Sulfur         (S)         48500         44000-50000           Cobalt         (Co)         0.005         0.004-0.020           Iron         (Fe)         6.8         7.0-16           Germanium         (Ge)         0.028         0.030-0.040           Rubidium         (Rb)         0.048         0.011-0.12           Zirconium         (Zr)         0.046         0.020-0.44           SPECIMEN DATA         RATIOS         RANGE           COMMENTS:         RATIOS         RANGE           Date Collected: 9/17/2011         Sample Size: 0.197 g         Ca/P         2.19         0.8-8           Date Collected: 9/20/2011         Sample Size: 0.197 g         Ca/P         2.19         0.8-8           Date Completed: 9/20/2011         Sample Type: Head         Na/K         3.1         0.5-10           Date Completed: 9/23/2011         Hair Color: Black         Zn/Cu         13.6         4-20           Methodol						•	•••••	
Phosphorus         (P)         198         150-220           Selenium         (Se)         0.80         0.70-1.2           Strontium         (Sr)         0.49         0.30-3.5           Sulfur         (S)         48500         44000-50000           Cobalt         (Co)         0.005         0.004-0.020           Iron         (Fe)         6.8         7.0-16           Germanium         (Ge)         0.028         0.030-0.040           Rubidium         (Rb)         0.046         0.020-0.44           SPECIMEN DATA         RATIOS         RACE           COMMENTS:         Sample Size: 0.197 g         RATIOS         RANCE           Date Collected:         9/17/2011         Sample Size: 0.197 g         Na/K         3.1         0.5-10           Date Completed:         9/23/2011         Hair Color: Black         Na/K         3.1         0.5-10           Date Completed:         9/23/2011         Hair Color: Black         Zn/Cu         13.6         4-20           Methodology: ICP/MS         Treatment:         Zn/Cd         999         > 800		N /					•••••	
Selenium         (Se)         0.80         0.70-         1.2           Strontium         (Sr)         0.49         0.30-         3.5           Sulfur         (S)         48500         44000-         50000           Cobalt         (Co)         0.005         0.004-         0.20           Iron         (Fe)         6.8         7.0-         16           Germanium         (Ge)         0.028         0.030-         0.040           Rubidium         (Rb)         0.048         0.011-         0.12           Zirconium         (Zr)         0.046         0.020-         0.44           SPECIMEN DATA         RATIOS         RANGE           COMMENTS:         ELEMENTS         RATIOS         RANGE           Date Collected:         9/17/2011         Sample Size:         0.197 g         Ca//P         2.19         0.8- 8           Date Received:         9/20/2011         Sample Type: Head         Na/K         3.1         0.5- 10           Date Completed:         9/23/2011         Hair Color: Black         Zn/Cu         13.6         4- 20           Methodology: ICP/MS         Treatment:         Zn/Cd         999         > 800		()						
Strontium         (Sr)         0.49         0.30-3.5           Sulfur         (S)         48500         44000-50000           Cobalt         (Co)         0.005         0.004-0.020           Iron         (Fe)         6.8         7.0-16           Germanium         (Ge)         0.028         0.030-0.040           Rubidium         (Rb)         0.048         0.011-0.12           Zirconium         (Zr)         0.046         0.020-0.44           SPECIMEN DATA         RATIOS         RANGE           COMMENTS:         Sample Size: 0.197 g         Ca/Mg         12.4         4-30           Date Collected:         9/17/2011         Sample Size: 0.197 g         RATIOS         RANGE           Date Received:         9/20/2011         Sample Type: Head         Na/K         3.1         0.5-10           Date Completed:         9/23/2011         Hair Color: Black         Zn/Cu         13.6         4-20           Methodology:         ICP/Ms         Treatment:         Zn/Cd         999         800								
Sulfur         (S)         48500         44000-50000           Cobalt         (Co)         0.005         0.004-0.020         Image: Complete information of the informa							•••••	
Cobalt         (Co)         0.005         0.004-0.020           Iron         (Fe)         6.8         7.0-16           Germanium         (Ge)         0.028         0.030-0.040           Rubidium         (Rb)         0.048         0.011-0.12           Zirconium         (Zr)         0.046         0.020-0.444           SPECIMEN DATA         RATIOS         RANGE           COMMENTS:         ELEMENTS         RATIOS         RANGE           Date Collected:         9/17/2011         Sample Size: 0.197 g         Ca/P         2.19         0.8-8           Date Received:         9/20/2011         Sample Type: Head         Na/K         3.1         0.5-10           Date Completed:         9/23/2011         Hair Color: Black         Zn/Cu         13.6         4-20           Methodology:         ICP/MS         Treatment:         Zn/Cd         999         > 800							•••••	
Iron         (Fe)         6.8         7.0-         16           Germanium         (Ge)         0.028         0.030-         0.040           Rubidium         (Rb)         0.048         0.011-         0.12           Zirconium         (Zr)         0.046         0.020-         0.44           SPECIMEN DATA         RATIOS         RANGE           COMMENTS:         ELEMENTS         RATIOS         RANGE           Date Collected:         9/17/2011         Sample Size:         0.197 g         Ca/Mg         12.4         4-30           Date Collected:         9/17/2011         Sample Size:         0.197 g         Ca/Mg         12.4         4-30           Date Collected:         9/20/2011         Sample Type:         Head         Na/K         3.1         0.5-10           Date Completed:         9/23/2011         Hair Color:         Black         Zn/Cu         13.6         4-20           Methodology:         ICP/Ms         Treatment:         Zn/Cd         > 999         > 800							•••••	
Germanium         (Ge)         0.028         0.030-0.040           Rubidium         (Rb)         0.048         0.011-0.12           Zirconium         (Zr)         0.046         0.020-0.44           SPECIMEN DATA         RATIOS         RANGE           COMMENTS:         ELEMENTS         RATIOS         RANGE           Date Collected:         9/17/2011         Sample Size: 0.197 g         Ca/Mg         12.4         4-30           Date Received:         9/20/2011         Sample Type: Head         Na/K         3.1         0.5-10           Date Completed:         9/23/2011         Hair Color:         Black         Zn/Cu         13.6         4-20           Methodology:         ICP/Ms         Treatment:         Zn/Cd         > 999         > 800								
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Shampoo:

## Health history for hair test 524

1) What are your current symptoms and health history?

Present symptoms:- Hypoglycemia, food intolerance, neck pain, balance issues/Vertigo, numbness in gums, twitching muscles, blurred vision, fatigue, frequent urination, piles, candida, hayfever, Multi Chemical Sensitivities, Irregular heart beat.

In my 20's I started getting slight dizzy spells . Then in my 30's dizzy spells got worse with blurred vision.

Early 40's dizziness was constant with blurred vision. Then got allergies to many foods. With hypoglycemia

Stayed on a restricted diet which helped symptoms but these eventually flared up again when I was 59 with a major flare up of yeast.

Saw ND Dr Forsyth who confirmed mercury toxicity using a blood sensitivity test.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

One wisdom tooth removed about 20 years ago,

Had about 10 amalgams removed 12 years ago, and 5 years ago had one root canal done .

3) What dental work do you currently have in place? What part of the dental cleanup have you

## completed?

Three crowns, One gold, two porcelain with metal base. . Last month had a tooth extracted as I did not want another crown

4) What dentistry did your mother have at any time before or during pregnancy?

Don't know

5) What vaccinations have you had and when (including flu and especially travel shots)?

No flu vaccines , All children vaccines and many travel vaccines over the years, last travel vaccines at 43 then symptoms got worse.

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.

Following the yeast flare up late in 2010 started DMSA In Jan 2011 using the Cutler protocol. Added ALA in May 2011.

Now on DMSA/ALA 12.5/12.5 mg

Supplements:- Vit C, D E and B complex, Zinc, Magnesium, Butyric acid, Probiotics, Caprylic acid, Slippery elm, Milk Thistle, Candida clear, soya Lecitin, Udos omega oils

## 7) Other information you feel may be relevant?

Indian nationality born in Kenya and moved to England at 17 years old.

Retired at 59 after 40 years service in management with British Telecom. Last 10 years was difficult to manage symptoms and work. So now able to address health issues whilst retired.

Had Knee surgery for a torn ligament at 35. so have a Dacron implant and Vitallium staple to hold in place.

Played with mercury from school at 10 years old.

8) What is your location - city & country (so that we can learn where certain toxins are more prevalent).

London England