



## Micro Trace Minerals Laboratory

40+ years of clinical & environmental  
laboratory diagnostics

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### MTM Newsletter

N° 19 - November 2016

- **Laboratory News**
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  - **New Urine tubes**
- **Medical Workshops and Conferences**
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### Laboratory News

#### ■ Research Publication

Our paper *EDTA: Ethylene Diamine Tetra Acetic Acid – A Review* was in press in **Occupational Medicine and Health Affairs**, September 14, 2016.

Occupational Medicine & Health Affairs is one of the best open access journals that aims to publish the most complete and reliable source of information on discoveries and current developments.

The article can be accessed in PDF format:

<https://microtraceminerals.com/en/chelation-newsarticles>

#### ■ Evaluation of a treatment plan

During our English Webinar, we discussed the binding ability of the various chelating agents, proper protocols for the treatment of chronic vs acute expositions and evaluated treatment plans. We explained the importance of treatment pauses, which allow metals to diffuse from the difficult to reach centers into reachable systems, the most likely reason why neurological ailments respond to chelation therapy.

This brings us to the evaluation of urine tests.

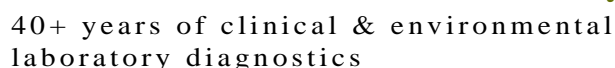
When we evaluate treatment success with repeated provocation tests, we find patterns such as the one outlined in Table 1, provided the same treatment approach was followed throughout. This means follow-up provocation treatments have to be the same i.e. the same chelator must be used, and the same application and urine collection time must be followed.

**Table 1: Urine Mercury Levels in mcg/g Creatinine following treatment with DMPS (1 Ampule iv)**

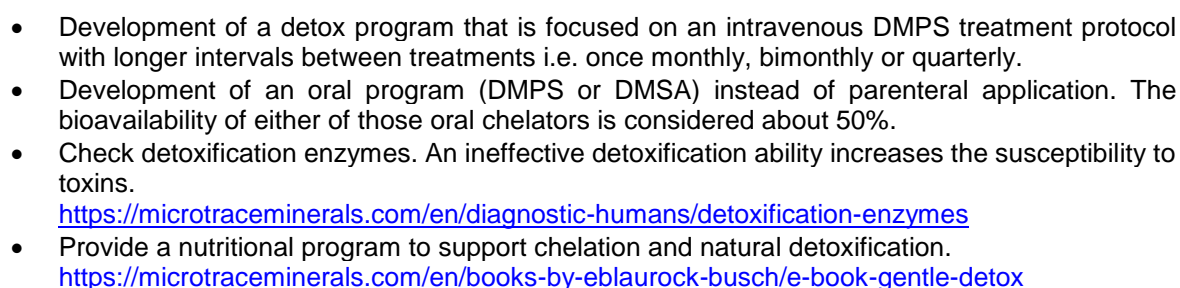
Baseline Urine	Oct 11 2013	Jan 20 2014	Apr 18 2014	Jul 08 2014	Nov 04 2014	Mar 04 2015	Sep 06 2015
0.80	54.13	32.50	17.25	6.01	38.40	13.25	3.75

#### Patient History:

Female, 48 years, anxiety attacks out of nowhere, followed by periods of depression starting at age 16. At around the same time, facial dermatitis appeared. Hashimoto was diagnosed at age 32. Patient claims the onset of symptoms was preceded by either amalgam filling insertion or removal.



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### ■ New Urine tubes

If you or your patients have questions regarding the use of our new urine tubes, check our website for instructions:

<https://microtraceminerals.com/en/submission-forms>

(At the bottom of the site, you can download the [Urine Monovette®](#) manual.)

## Medical Workshops and Conferences

### ■ International Conferences & Workshops 2017

- |            |  |
|------------|--|
| 04/01/2017 | <b>MTM Chelation Seminar Nuremberg</b><br><b>When, how, how much and how long are chelators needed?</b><br>Nuremberg, Germany (German) |
| 05/13/2017 | <b>MTM Chelation Seminar Cologne</b><br><b>When, how, how much and how long are chelators needed?</b><br>Cologne, Germany (German)     |

For future workshops and updates, please visit:

<https://microtraceminerals.com/en/workshops>

### ■ Webinars

This year, we launched several Webinars. Our first English Webinar was aired on October 12, 2016:

**Title:** Use of chelating agents (DMPS, DMSA, EDTA, DTPA) and diagnostic tests to confirm treatment success

The following Webinars are planned for 2017:

- |            |  |
|------------|--|
| 01/25/2017 | <b>Proper use of Chelating Agents (DMPS, DMSA, EDTA etc.) for the treatment of chronic metal exposure</b><br>(English) |
| 03/22/2017 | <b>The Neurotoxicity of Metals and Nanoparticles</b><br>(English)  |
| 05/24/2017 | <b>Mental and Elemental Toxins. Diagnosis and Treatment Options</b><br>(English)                                       |

For registration and further information, please visit:

<https://www.edudip.com/academy/e.blaurock-busch>



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Let us know if you have questions. If we don't have an answer for you at hand, we will find it. If we can't find one, we will tell you.

All the best

Your

E.Blaurock-Busch and Team

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