



8th International Congress on Autoimmunity

Granada, Spain | May 9-13, 2012



Final Program

Novel Diagnostic Tools & New Therapeutic
Avenues in Autoimmune Diseases



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Thursday, May 10, 2012

10:00-16:00

Poster Area

**POSTER SESSION 1: DIAGNOSTIC MEASUREMENTS IN AUTOIMMUNITY
(Contd.)**

Poster No

- 214 **THE CORRELATION BETWEEN DIFFERENT ASSAYS USED IN RHEUMATOID ARTHRITIS DIAGNOSIS**
A. Viðarsdóttir, D.I. Thorsteinsdóttir, D. Jonasdóttir, B. Gudbjörnsson,
B.R. Ludvíksson, *Iceland*
- 215 **HIGH DIAGNOSTIC ACCURACY OF THE NEW FULLY AUTOMATED MULTIPLEX IMMUNOASSAY BIOPLEX™ 2200 IN DETECTING APL ANTIBODIES**
D. Villalta, S. Signorini, R. Tozzoli, *Italy*
- 216 **CLINICAL EVALUATION OF THE ELIA™ ASSAY FOR DETECTION OF ANTI-PMSCL 100, ANTI-RNA POLYMERASE III AND ANTI-FIBRILLARIN ANTIBODIES IN PATIENTS WITH SYSTEMIC SCLEROSIS**
D. Villalta, T. Imbastaro, M. Da Re, N. Bizzaro, *Italy*
- 217 **AUTOANTIBODIES AGAINST ACETYLCHOLINE RECEPTORS IN MYASTHENIA GRAVIS: LABORATORY DIAGNOSIS AND FOLLOW-UP USING A NEW ANTI-ACHR RIA**
J. Westermann, A. Schuett, C. Probst, W. Schlumberger, W. Stoecker,
Germany
- 218 **DEVELOPMENT OF HIGHLY SENSITIVE DIAGNOSTICS IN MYASTHENIA GRAVIS**
P. Zisimopoulou, N. Trakas, M. Belimezi, C. Stergiou, J. Tzartos, S. Tzartos,
Greece
- 219 **THE MEASUREMENT OF THYROGLOBULIN AUTOANTIBODIES IN PRESENCE OF THYROGLOBULIN: IS THERE ANY INTERFERENCE?**
S.T. Zivancevic Simonovic, L.C. Mijatovic Teodorovic, O. Vrndic, I. Jeftic,
I. Kostic, L. Dimitrijevic, *Serbia*
- 220 **PENTRAXIN 3/TSG-14 AND CRP IN AUTOIMMUNE PATHOLOGY**
I. Silosi, M. Cojocar, V. Biciusca, C. Silosi, M.V. Boldeanu, *Romania*
- 221 **CORRELATION BETWEEN DISEASE ACTIVITY, FUNCTIONAL CAPACITY, AND HEALTH-RELATED QUALITY OF LIFE OF FILIPINOS WITH ANKYLOSING SPONDYLITIS (PRELIMINARY RESULTS)**
M.G.Y. Yu, J.H.T. Mangubat, E.G. Penserga, *Philippines*
- 222 **ELIA™ CTD SCREEN: ENZYME FLUOROIMMUNOASSAY FOR ENA DETECTION**
B. Depreter, M. Hidajat, M. Hutsebaut, M. Langlois, S. Roggeman, *Belgium*

THE MEASUREMENT OF THYROGLOBULIN AUTOANTIBODIES IN PRESENCE OF THYROGLOBULIN: IS THERE ANY INTERFERENCE?

S.T. Zivancevic Simonovic¹, L.C. Mijatovic Teodorovic¹, O. Vrndic¹, I. Jeftic¹, I. Kostic¹, L. Dimitrijevic²

¹*School of Medicine, University of Kragujevac, Kragujevac,* ²*Institute of Virology, Vaccines and Sera - Torlak, Belgrade, Serbia*

It is well known that thyroglobulin antibodies (TgAb) could interfere with thyroglobulin (Tg) measurement, but possible interference of Tg with TgAb measurement has not been tested previously. The aim of this study was to explore the influence of Tg on TgAb concentration measurement. We have used standard Tg concentrations (53, 200 and 510 ng/ml) and 10 patient's sera with known (previously measured) concentrations of TgAb (100-4245 IU/ml). Patient's sera with known TgAb concentrations were preincubated with standard Tg concentrations (53, 200 and 510 ng/ml), volume ratio 1:1, during 30 min. After that, TgAb concentrations were measured by a competitive "one-step" radioimmunoassay and Tg concentrations were determined by an immunoradiometric assay (CIS Biointernational, France).

In nine of ten samples the TgAb concentrations measured in the presence of Tg were unvaried (80-120% of expected value), while in one sample the TgAb concentration was less than 80% of expected value. Decrease of TgAb concentration was dose-dependent. When measuring the concentration of Tg, it was shown that Tg concentrations were below 80% of expected values in two samples, one of these had sera with low and another with very high concentration of TgAb. These samples were different from sample in which interference of Tg with TgAb measurement was shown. In conclusion we could say that Tg in some patients' sera might interfere with TgAb measurement, but not necessarily in the same sera samples TgAb interference with Tg measurement exist.