### SUPPLEMENTAL DATA

## RISPERIDONE-ASSOCIATED HYPOCALCEMIA

#### Letter to the Editor – for publication

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SUPPLEMENTAL TABLE 1. Demographic and other clinical characteristics of the study sample derived from medical files of Psychiatry Clinic of Clinical Centre "Kragujevac", Kragujevac, Serbia, encompassing the period from January 2004 to September 2009 year.

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Value <sup>a</sup>
1245 (100)
770 (61.8)
475 (38.2)
$45.5 \pm 13.3$ years $(44.7 - 46.4, 18 - 80)^{b}$
$2.04\pm0.04 \text{ mmol/L}^{c}$
2.27±0.11 mmol/L
1214 (92.0)
613 (46.4)
207 (15.7)
204 (15.5)
127 (9.6)
89 (6.7)
86 (6.5)
68 (5.2)
67 (5.1)
59 (4.5)
46 (3.5)
41 (3.1)
32 (2.4)
31 (2.3)
23 (1.7)
20 (1.5)
18 (1.4)
14 (1.1)
12 (0.9)
11 (0.8)
6 (0.5)

<sup>a</sup>Represent absolute numbers (percentage) and values in denoted units.

<sup>b</sup>The mean age  $\pm$  standard deviation (95% confidence interval, range).

<sup>c</sup>Student's test, t=-13.8, df=326, p<0.001.

<sup>d</sup>From the total of 1320 record sets (100%); no drugs, except calcium channel blockers as a group, was significantly associated with hypocalcemia.

<sup>e</sup>Other than risperidone.

<sup>f</sup>Small doses as antihypertensives.

## SUPPLEMENTAL INFORMATION 1. Adjusting for confounders.

The confounders included in multivariable logistic regression were: age, gender, drugs (prescribed in the hospital) and data sets (time period of serum sample analysis). Other risk factors for hypocalcemia and osteoporosis have been looked at, according to a literature reminder.<sup>1,2</sup> However, they have not been included as confounders due to missed data (not routinely performed in the Psychiatry Clinic of our hospital), inappropriately described or ignored in medical files or available only for minority of study subjects. They were as follows: nutritional status (slender, anorectic, malabsorption), poor habits (smoking, alcoholic), musculosceletal status (prolonged rest, family history of osteoporosis, past lowtrauma fractures), endocrine and gonadal status (thyrotoxicosis, pseudo/hypoparathyroidism, hyperparathyroidism, hyperprolactinemia, Cushing's syndrome, early menopause. amenorrhea), previous drug use (corticosteroids, aluminum containing antacids, rifampicin, orlistat, glucocorticoids, bisphosphonates), calcium homeostasis parameters (parathyroid hormone, vitamin D, calcitonin, thyroxine, magnesium, phoshate, alkaline phosphatase, serum albumin) and other conditions (chronic renal failure, primary biliary cirrhosis, rheumatoid arthritis, myeloma, mastocytosis, overhydration, osteomalacia). Acute conditions like pancreatitis, acid-base disorders and rhabdomyolysis were exclusion criteria. More than 80% study subjects was active, medium-to-heavy smokers.

- 1. Longmore M, Wilkinson IB, Turmezei T, Kay Cheung C. Oxford handbook of clinical medicine. 7<sup>th</sup> ed. Oxford: Oxford University Press, 2007.
- Lourenço R. Drug-induced fluid and electrolyte disorders. EJHP Practice 2008; 14(3): 43-6.

# LEGEND FOR SUPPLEMENTAL FIGURE

SUPPLEMENTAL FIGURE 1. The study flow diagram.