

**Methods:** The study is part of the Women's Health Study, a prospective population survey of women in Gothenburg, which started in 1968. The participants were re-examined in 1974, 1981, 1992–93 and 2000–2001. Mental disorders were diagnosed according to the DSM-III and DSM-III-R.

**Results:** In 1992–93 (age 70/74) the prevalence of depression was 11.6 %, including 8.4% with major depression (MDD) and 2.8 % with dysthymia. Eight years later (age 78/82) the prevalence was 10.4 %, including 4.6 % (MDD) and 5.6 % with dysthymia. Among those who were currently mentally healthy in 1992–93, 43.0 % had a history of previous depression in 1992–93. Thus the lifetime prevalence was 43.3 % in 1992–93. Women clinically depressed in 1969 had an increased risk of being depressed again in 1992/93 (OR = 5.94 (2.28–14.73)). Those with MDD in 1992/93 continued to show increased risk of depression eight years later (OR = 11.6(3.9–32)).

**Conclusions:** The prevalence of depression continues to be high in elderly women despite new treatment options.

### S23.4

A 15-year follow-up on psychotic symptoms in the non-demented elderly

S. Östling\*, I. Skoog. *Göteborgs University, Institute of Clinical Neuroscience, Psychiatry Section, Sweden*

**Background:** Psychotic symptoms in non-demented elderly are reportedly rare and little is known about the incidence of these symptoms.

**Method:** A representative sample of non-demented 70-year-olds (N=382) from Gothenburg, Sweden were examined in 1971. One-hundred of these individuals were examined both at ages 70 and 85 (response rate among survivors 64%) and are included in this report. Hallucinations and delusions according to the DSM-IV were assessed by a psychiatrist during a semi-structured psychiatric examination at ages 70, 75, 79, 81, 83 and 85. Information was also extracted from key informant interviews and reviews of medical records. Psychotic symptoms which appeared after onset of dementia were not included.

**Results:** One of the non-demented individuals had psychotic symptoms at age 70. During the 15 year follow-up, another 17 (17%) developed psychotic symptoms. Among these, five were diagnosed from the psychiatric examination and 12 from information from key informants or medical records.

**Conclusion:** We found a higher incidence of psychotic symptoms after age 70 than previously believed. It is necessary to have several sources of information to elucidate psychotic symptoms in the elderly.

### S23.5

A 40-year follow-up of patients with obsessive compulsive disorder

I. Skoog, G. Skoog. *Institute of Clinical Neurosciences, Sahlgrenska Academy, Göteborg, Sweden*

Patients admitted to a university hospital for obsessive-compulsive disorder (OCD) in 1947–53 were examined by a psychiatrist in 1954–56 and 1989–1993 (n=144). OCD was diagnosed according to Schneider's criteria, and comorbid psychiatric conditions according to DSM-IV. The mean length of follow-up from onset was 47 years.

At the end of follow-up, 48% had recovered from OCD, but 25% of those were diagnosed with another mental disorder. All OCD patients had some form of comorbid psychiatric condition

during their life-time: depressive disorder in 85% (major depressive syndrome in 44%), panic anxiety disorder in 48%, social phobia in 48%, generalized anxiety disorder (GAD) in 72%, specific phobia in 65%, psychotic disorder in 15%, alcohol abuse in 13% (39% in men) and drug abuse in 17%. Onset of comorbid psychiatric conditions occurred most often after the onset of OCD. Life-time history of GAD, psychotic disorder and drug abuse were related to a worse prognosis of OCD.

Comorbid psychiatric conditions are common in patients with OCD, and includes a wide spectrum of disorders. The onset of these conditions occurs throughout the course of OCD.

### S23.6

Longitudinal study on neurotic disorders in the elderly

J. Copeland\*. *Department of Psychiatry, University of Liverpool, UK*

A random community sample of 1070 subjects aged 65 years and over was interviewed at home using the GMS AGE-CAT package and followed up 3 years later. Neurotic symptoms were common, but symptoms sufficient to reach "case" level were much less frequent. The overall prevalence of neurotic cases was 2.4% in year 0 and 1.4% in year three. The incidence was estimated as a minimum of 4.4 per thousand per year over age 65. Women were more likely to be cases than men but not sub cases, and there was a general decline in prevalence with increasing age, particularly for sub cases. Anxiety was the commonest neurotic subtype. After three years, cases were shown not to persist, but this did not reflect wellness.

## S24. Drug safety – important side effects scarcely noticed in the past

*Chairs: J. Gerlach (DK), M. Hummer (A)*

### S24.1

Osteoporosis in young patients with schizophrenia

W.W. Fleischhacker<sup>1</sup>\*, P. Malik<sup>2</sup>, R. Gasser<sup>3</sup>, R.M. Naveda<sup>4</sup>, M. Hummer<sup>1</sup>. <sup>1</sup>*Department of Biological Psychiatry, Innsbruck University Hospital, Austria*

<sup>2</sup>*Skt. Hans Hospital, Roskilde, Denmark*

<sup>3</sup>*Department of Internal Medicine, Innsbruck University Hospital;*

<sup>4</sup>*Department of Nuclear Medicine, Innsbruck University Hospital, Austria*

A major risk factor for the development of osteoporosis is the decrease in levels of gonadal hormones. Schizophrenia and antipsychotics are associated with significant neuroendocrine changes. Therefore, it is suggested that psychiatric patients might have decreased bone mineral density, and an increased risk for fractures. In a cross sectional study, we investigated the bone mineral density of 75 patients (76 % male, 24 % female) suffering from schizophrenia. The mean age was 34.7 years (range 22–49 years). The duration of antipsychotic treatment was at least one year. We measured bone density (bidual-photon absorptiometry) and several neuroendocrine parameters, and found the following

**Results:** 45.6% of male patients showed osteopenia in the lumbar region, 10.5% suffered from osteoporosis, while 33.3 % of female patients showed osteopenia in the lumbar region, but none had osteoporosis. There was no correlation between the duration of