

**Methods:** Metodi. This is an observational study on a cohort of thirty elderly patients over-65, consecutively assessed in the health district with multimorbidity and psycho-behavioral, followed for six months.

**Results:** One third of psychogeriatric patients with multimorbidity, despite being intercepted by health services of community, are admitted to acute psychiatric services for brief observation or hospitalization. Psychogeriatric patients have high clinical instability, reducing ability to make adequate choices, lower levels of consistent actions.

**Conclusions:** Organizational models, in response to the growing multimorbidity, and the allocation of resources cannot be oriented to the single pathology but to groups of patients in the perspective of long term care. The case-mix is an index of the complexity of the cases treated; when we refer to the psychogeriatric population, this index is high, due to emergence of social and medical problems in both residential and home services.

**Keywords:** Psychogeriatrics; Case-mix; multimorbidity; Long Term Care

## EPP0860

### The use of artificial intelligence and machine learning in the care of people with dementia: A literature review

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**Introduction:** Artificial intelligence and machine learning are increasingly being researched within the field of psychiatry to find out what use it might be. With this review, therefore, we would like to assess what literature, if any, exists that answers the question of whether this technology can be useful for providing dementia care. We also wanted to consider the ethical questions of autonomy, consent and privacy when working with this vulnerable group of patients.

**Objectives:** To identify and appraise the literature to assess the existing research landscape of the area of machine learning and AI, relating to the care of people with dementia.

**Methods:** A literature search was conducted, searching the PsychInfo, Medline, PubMed and Embase databases. We assessed the quality of the research and considered what overall findings there were in the existing literature.

**Results:** 619 papers were identified, of which 28 related to the use of AI in the care of people with dementia. The papers were divided into categories to show the utility and effectiveness these technologies may have: 1: to alert caregivers to problems 2: to facilitate activities for people with dementia 3: to help plan care for people with dementia 4: to consider the ethical implications of the use of artificial intelligence and machine learning

**Conclusions:** Despite a paucity of literature in the area, existing studies show potential, if used well, for technologies to be a useful addition to care of people with dementia. The experience of patients and their carers must be integral to their development and use.

**Keywords:** Artificial Intelligence; machine learning; dementia; old age psychiatry

## EPP0861

### Patient and staff satisfaction with remote psychiatry assessments using mobile tablets in long-stay facilities in rural north-west Ireland.

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**Introduction:** The COVID-19 pandemic has required services to evolve quickly to continue routine care and telemedicine has been rapidly implemented to facilitate this. Older persons are at high risk of serious complications of COVID-19 and it is essential that their exposure to COVID-19 is minimized.

**Objectives:** Our aim was to assess staff and patient satisfaction with remote psychiatric assessments using mobile tablets in long-stay facilities.

**Methods:** Remote clinics using Skype video on mobile tablets were conducted with patients in long-stay facilities attending psychiatry in rural North-West Ireland between April and July 2020. At each review, a satisfaction survey was administered to the patient, their keyworker and the clinician. The patient/keyworker survey instrument had four yes/no statements and the clinician survey had four statements with 5-point likert scale responses (1=very low to 5=very high). Open feedback was also obtained for thematic analysis. Descriptive analyses were completed using SPSS software.

**Results:** 23 patients (mean age 80.9yrs) were assessed in 10 long-stay facilities. All patients were agreeable to participating in video consultation although only 13 patients were able to respond to survey due to cognitive impairment. There was a 92.3% positive patient response (12/13) and 95.7% positive keyworker response (N=22/23) for all statements. The mean score on the assessor response ranged from 3.43 to 4.04 with the lowest rate for quality of transmission. The main themes identified were related to the quality of connection and sensory difficulties.

**Conclusions:** Video consultations using mobile tablets offer an acceptable form of remote psychiatry assessment for older persons in long-stay facilities.

**Keywords:** older persons; mobile tablet; psychiatry; nursing homes

## EPP0864

### Vascular depression – regarding a case report

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**Introduction:** Age-related vascular changes have long been documented as an etiopathogenic factor of some geriatric depressive syndromes. More recently, it has emerged the concept of “Vascular Depression” recognizing that cardiovascular disease may predispose, precipitate or perpetuate late life depression. This condition was defined by an episode of major depressive disorder within the