Title

A description of risk associated with use of antipsychotics among community dwelling older adults: A descriptive cross-sectional study

Abstract

The objective of this research was to analyze the risk of adverse effects in patients older than 65 years with dementia and in concomitant treatment with antidementia and antipsychotic drugs and who are cared for by community nurses. A retrospective cross-sectional descriptive study was carried out. A total of 332 patients who were cared for by primary care teams participated. Most of the patients were women, totally dependent for the basic activities of daily living and residing in the family home. They were polymedicated and there was poor therapeutic adherence. The risk of adverse effects was higher in polymedicated patients who had been taking antipsychotics for longer periods and in those who had a main caregiver. However, those patients who had been assessed by the community nurse were protected from suffering adverse effects. This study demonstrates how integrated and continuous nursing care can reduce adverse effects in this type of patient. © 2023 Elsevier Inc.

Authors

Ruíz-González C.; González-López M.D.C.; García-Ramón M.J.; Ruiz-Fernández M.D.; Rebollo-Lavado B.; Andújar-Rodríguez E.; Ventura-Miranda M.I.

Author full names

Ruíz-González, Carlos (58382924600); González-López, María del Carmen

(57283907500); García-Ramón, María José (57283682100); Ruiz-Fernández, María Dolores (6603568113); Rebollo-Lavado, Belén (57503193800); Andújar-Rodríguez, Esteban (58802832700); Ventura-Miranda, María Isabel (55861817800)

Author(s) ID

58382924600; 57283907500; 57283682100; 6603568113; 57503193800;

58802832700; 55861817800

Year

2024

Source title

Geriatric Nursing

Volume

55.0

Page start

362

Page end

Page count

5.0

DOI

10.1016/j.gerinurse.2023.12.009

Link

https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181833702&doi=10.1016 %2fj.gerinurse.2023.12.009&partnerID=40&md5=658f1f6a11ecb4f0ccf974102e7d0 db5

Affiliations

Primary Health Care District of Almeria, Andalusian Health Service, Almería, 04006, Spain; Department of Nursing, Physiotherapy and Medicine, University of Almería, Almería, Spain; Facultad de Ciencias de la Salud, Universidad Autónoma de Chile, Providencia, Chile; Neurology Department, Torrecárdenas Universitary Hospital, Almería, 04009, Spain

Authors with affiliations

Ruíz-González C., Primary Health Care District of Almeria, Andalusian Health Service, Almería, 04006, Spain; González-López M.D.C., Primary Health Care District

of Almeria, Andalusian Health Service, Almería, 04006, Spain; García-Ramón M.J., Primary Health Care District of Almeria, Andalusian Health Service, Almería, 04006, Spain; Ruiz-Fernández M.D., Department of Nursing, Physiotherapy and Medicine, University of Almería, Almería, Spain, Facultad de Ciencias de la Salud, Universidad Autónoma de Chile, Providencia, Chile; Rebollo-Lavado B., Neurology Department, Torrecárdenas Universitary Hospital, Almería, 04009, Spain; Andújar-Rodríguez E., Primary Health Care District of Almeria, Andalusian Health Service, Almería, 04006, Spain; Ventura-Miranda M.I., Department of Nursing, Physiotherapy and Medicine, University of Almería, Almería, Spain

Author Keywords

Adverse effects; Antipsychotics; Care; Dementia; Nursing; Primary care

Index Keywords

Activities of Daily Living; Aged; Antipsychotic Agents; Cross-Sectional Studies; Dementia; Female; Humans; Independent Living; Male; Retrospective Studies; neuroleptic agent; aged; cross-sectional study; daily life activity; dementia; female; human; independent living; male; retrospective study

Chemicals/CAS

Antipsychotic Agents,

Funding Details

Ministry of Health of the Regional Government of Andalusia, Spain, (AP-0232-2019);

Funding Texts

This research has been funded by Fundación Progreso y Salud and the Ministry of Health of the Regional Government of Andalusia, Spain (No. AP-0232-2019).

References

Andreu-Reinon M.E., Chirlaque M.D., Gavrila D., Et al., Mediterranean diet and risk of dementia and Alzheimer's disease in the EPIC-Spain dementia cohort study, Nutrients, 13, 2, (2021); pp. 2017-2025; Gale S.A., Acar D., Daffner K.R., Dementia, Am J Med, 131, 10, pp. 1161-1169, (2018); (2023); Schneider J.A., Neuropathology of dementia disorders, CONTINUUM Lifelong Learn Neurol, 28, 3, pp. 834-851, (2022); Rogowska M., Thornton M., Creese B., Et al., Implications of adverse outcomes associated with antipsychotics in older patients with dementia: a 2011-2022 update, Drugs Aging, 40, 1, pp. 21-32, (2023); Calsolaro V., Femminella G.D., Rogani S., Et al., Behavioral and psychological symptoms in dementia (BPSD) and the use of antipsychotics, Pharmaceuticals, 14, 3, (2021); Vivacqua M.N., Abudarham T., Pagotto V., Faccioli J.L., Antipsychotic prescription prevalence and metabolic monitoring of patients under chronic treatment, Rev Fac Cien Med Univ Nac Cordoba, 78, 3, pp. 276-282, (2021); Yunusa I., Alsumali A., Garba A.E., Regestein Q.R., Eguale T., Assessment of reported comparative effectiveness and safety of atypical antipsychotics in the treatment of behavioral and psychological symptoms of dementia: a network meta-analysis, JAMA Netw Open, 2, 3, (2019); Gonzalez-Lopez M.D.C., Garcia-Ramon M.J., Nievas-Soriano B.J., Parron-Carreno T., Assessment of the risk of antipsychotics in patients with dementia in actual clinical practice in primary health care, Pharmaceuticals, 14, 10, (2021); Ruiz-Fernandez

M.D., Hernandez-Padilla J.M., Ortiz-Amo R., Fernandez-Sola C., Fernandez-Medina I.M., Granero-Molina J., Predictor factors of perceived health in family caregivers of people diagnosed with mild or moderate Alzheimer's disease, Int J Environ Res Public Health, 16, 19, (2019); Yoshida K., Roberts R., Suzuki T., Et al., Lack of early improvement with antipsychotics is a marker for subsequent nonresponse in behavioral and psychological symptoms of dementia: analysis of CATIE-AD data, Am J Geriatr Psychiatry, 25, 7, pp. 708-716, (2017); Aarsland D., Epidemiology and pathophysiology of dementia-related psychosis, J Clin Psychiatry, 81, 5, (2020); Almutairi S., Masters K., Donyai P., The health professional experience of using antipsychotic medication for dementia in care homes: a study using grounded theory and focussing on inappropriate prescribing, J Psychiatr Ment Health Nurs, 25, 5-6, pp. 307-318, (2018); Shaw C., Williams K.N., Perkhounkova Y., Educating nursing home staff in dementia sensitive communication: impact on antipsychotic medication use, J Am Med Dir Assoc, 19, 12, pp. 1129-1132, (2018); Fernandez-Medina I.M., Ruiz-Fernandez M.D., Galvez-Ramirez F., Et al., The experiences of home care nurses in regard to the care of vulnerable populations: a qualitative study, Healthcare, 10, 1, (2021); Thompson K.H., Fletcher P.C., Examining the perceived effects of an adult day program for individuals with dementia and their caregivers: a qualitative investigation, Clinical Nurse Specialist, 33, 1, pp. 33-42, (2019); Ge J., Zhang Y., Fan E., Et al., Community nurses are important providers of continuity of care for patients with chronic diseases: a qualitative study, Inquiry (United States), (2023); McGough S., Wynaden D., Ngune I., Janerka C., Hasking P., Rees C., Mental health nurses' perspectives of people who self-harm, Int J Ment Health Nurs, 30, 1, pp. 62-71, (2021); Ma D., Zhao Y., Wan Z., Et al., Nurses' attitudes and views on the application of antipsychotics in patients with dementia: a systematic review of qualitative studies, Geriatr Nurs (Minneap), 41, 6, pp. 669-676, (2020); Baztan J.J., Perez Del Molino J., Alarcon T., San Cristobal E., Izquierdo G., Manzarbeitia J., Barthel index: a valid instrument for the functional

assessment of patients with cerebral vascular disease, Rev Esp Geriatr Gerontol, 28, 1, pp. 32-40, (1993); Val Jimenez A., Amoros Ballestero G., Martinez Visa P., Fernandez Ferre M.L., Leon Sanroma M., [Descriptive study of patient compliance in pharmacologic antihypertensive treatment and validation of the Morisky and Green test], Aten Primaria, 10, 5, pp. 767-770, (1992); Delgado Silveira E., Montero Errasquin B., Munoz Garcia M., Et al., [Improving drug prescribing in the elderly: a new edition of STOPP/START criteria], Rev Esp Geriatr Gerontol, 50, 2, pp. 89-96, (2014); Hengstschlager A., Sommerlad A., Huntley J., What are the neural correlates of impaired awareness of social cognition and function in dementia? A systematic review, Brain Sci., 12, 9, (2022); Du J., Janus S.I.M., de Boer M., Zuidema S.U., The longitudinal patterns of psychotropic drug prescriptions for subpopulations of community-dwelling older people with dementia: electronic health records based retrospective study, BMC Primary Care, 24, 1, (2023); Davies L.E., Spiers G., Kingston A., Todd A., Adamson J., Hanratty B., Adverse outcomes of polypharmacy in older people: systematic review of reviews, J Am Med Dir Assoc, 21, 2, pp. 181-187, (2020); Balli F.N., Unsal P., Halil M.G., Dogu B.B., Cankurtaran M., Demirkan K., Effect of clinical pharmacists' interventions on dementia treatment adherence and caregivers' knowledge, Geriatr Gerontol Int, 21, 6, pp. 506-511, (2021); Ying J., Wang Y., Zhang M., Et al., Effect of multicomponent interventions on competence of family caregivers of people with dementia: a systematic review, I Clin Nurs, 27, 9-10, pp. 1744-1758, (2018); Birkenhager-Gillesse E.G., Janus S.I.M., Achterberg W.P., Zuidema S.U., Effects of caregiver dementia training in caregiver-patient dyads on psychotropic drug prescription: a randomized controlled study, Clin Interv Aging, 16, pp. 1449-1453, (2021); Garcia-Ptacek S., Dahlrup B., Edlund A.K., Wijk H., Eriksdotter M., The caregiving phenomenon and caregiver participation in dementia, Scand J Caring Sci, 33, 2, pp. 255-265, (2019); Aerts L., Cations M., Harrison F., Et al., Why deprescribing antipsychotics in older people with dementia in long-term care is not always successful: insights from the HALT study, Int J Geriatr Psychiatry, 34, 11, pp. 1572-1581, (2019); Yamakawa M., Kanamori T., Fukahori H., Sakai I., Sustainable nurse-led care for people with dementia including mild cognitive impairment and their family in an ambulatory care setting: a scoping review, Int J Nurs Pract, 28, 3, (2022)

Correspondence Address

M.D. Ruiz-Fernández; Department of Nursing Science, Physiotherapy and Medicine, University of Almeria, La Cañada, s/n, Calle Sacramento, Almería, 04120, Spain; email: mrf757@ual.es

Publisher

Elsevier Inc.

ISSN

01974572

PubMed ID

38171187.0

Language of Original Document

English

Abbreviated Source Title

| Geriatr. Nurs. | | |
|--------------------|-------------------|--|
| | Document Type | |
| Article | | |
| | Publication Stage | |
| Final | | |
| Scopus | Source | |
| | EID | |
| 2-s2.0-85181833702 | | |