


We Must Consider a Growing Opioid Epidemic in Older People

Geriatric Orthopaedic Surgery
& Rehabilitation
Volume 13: 1–2
© The Author(s) 2022
Article reuse guidelines:
sagepub.com/journals-permissions
DOI: 10.1177/21514593221083823
journals.sagepub.com/home/gos


Murray A J Hudson , Louis J Koizia, and Michael B Fertleman

Keywords

older people, geriatric, opioids, opioid epidemic

Received February 3, 2022; revised February 3, 2022; accepted February 9, 2022

Dear Sir,

We are enthused to read Davies et al (2022)¹ recent series suggesting that transdermal buprenorphine is safe and effective in the management of pain following a neck of femur fragility fracture. Their paper brings to light an area of broader research which demands attention; the *safe* use of opioids in older people. Whilst adequate pain relief is critical for the older person, it is our growing fear that there is a general sense amongst geriatricians that we are immune to the iatrogenic opioid epidemic. It is recognised that the number of opioid prescriptions in older patients has increased dramatically, and strong opioid prescribing is increasing at the fastest rate in older people.² The international opioid crisis is well discussed and documented, but almost exclusively in younger adults. A systematic review noted a dearth of high-quality research on prescription drug misuse in older adults,³ and Mikelyte et al (2020)⁴ highlights the gap in understanding the scope of opioid prescribing in older people. Opioids contribute to older people experiencing falls, memory problems and incontinence. Opioids are the fifth most likely drug class to cause preventable hospital admissions,⁵ and the adverse effects occur more frequently in the older population.⁶ Alongside these concerns, work in the community found that of older people on low-dose opioid analgesics for a year, 40% met ICD–10 criteria (World Health Organization 1992) for dependence syndrome.⁷ A recent study found 10% of in-patients over 65 were opioid dependent.⁸

Strides have been made in the understanding and more careful use of benzodiazepines in older people. Whilst the opioid epidemic appears to garner an even greater public awareness, as geriatricians, we must act now to stem its

potentially huge impact on that older population. Davies et al (2022) have considered strong opioid analgesia use in hospital, and despite their practice of buprenorphine patch removal on discharge (or at 2 weeks), they have not included information on analgesia requirements following discharge from hospital when the patch is removed. On a local level, we recognised the increasingly large number of older patients being prescribed opioids during their admission. We found that this continued to discharge and at 120 days post discharge. As a result of our findings, we have targeted our efforts on avoiding unnecessary and/or combined prescriptions of stronger opioids. We instigated senior stewardship over prescribing, reviewing analgesics daily and aimed to avoid use of opioids at all on transfer from hospital to intermediate or community care. Whilst we welcome Davies et al (2022), it remains our responsibility as geriatric clinicians to do much more to evaluate and ‘control’ the appropriate and safe use of strong opioids in older people. We must support national bodies and agencies to stem the opioid epidemic that is now impacting this older population.

Centrale Perioperative and Ageing Group, Department of Bioengineering, Imperial College London, White City Campus, Sir Michael Uren Hub, 86 Wood Lane, London W12 0BZ, UK

Corresponding Author:

Murray A J Hudson, Department of Bioengineering, Imperial College London, White City Campus, Sir Michael Uren Hub, 86 Wood Lane, London W12 0BZ, UK.
Email: murray.hudson@nhs.net



Creative Commons CC BY: This article is distributed under the terms of the Creative Commons Attribution 4.0 License (<https://creativecommons.org/licenses/by/4.0/>) which permits any use, reproduction and distribution of the work without further permission provided the original work is attributed as specified on the SAGE and Open Access pages (<https://us.sagepub.com/en-us/nam/open-access-at-sage>).

Author contributions

MAJH involved in writing manuscript. LJK and MBF were involved in revisions and concept of manuscript.

ORCID iD

Murray A J Hudson  <https://orcid.org/0000-0003-3254-9842>

References

1. Davies A, Murray J, Zalmay P, Ross E, Dar S, Wilson H. Transdermal Buprenorphine for Pain Management Following a Neck of Femur Fracture. *Geriatric Orthopaedic Surgery & Rehabilitation*, 13, 215145932110702. January 2022. doi:[10.1177/21514593211070260](https://doi.org/10.1177/21514593211070260)
2. Roxburgh A, Bruno R, Larance B, Burns L. Prescription of opioid analgesics and related harms in Australia. *Med J Aust*. 2011 September 5;195(5):280-284. doi: [10.5694/mja10.11450](https://doi.org/10.5694/mja10.11450)
3. Maree RD, Marcum ZA, Saghafi E, Weiner DK, Karp JF. A systematic review of opioid and benzodiazepine misuse in older adults. *Am J Geriatr Psychiatr : Official Journal of the American Association for Geriatric Psychiatry*. 2016; 24(Issue 11):949-963. ISSN 1064-7481. doi:[10.1016/j.jagp.2016.06.003.949](https://doi.org/10.1016/j.jagp.2016.06.003.949)
4. Mikelyte R, Abrahamson V, Hill E, Wilson PM. Factors influencing trends in opioid prescribing for older people: A scoping review. *Prim Health Care Res Dev*. 2020;21:E36. doi:[10.1017/S1463423620000365](https://doi.org/10.1017/S1463423620000365)
5. Howard RL, Avery AJ, Slavenburg S, Royal S, Pipe G, Lucassen P, et al. Which drugs cause preventable admissions to hospital? A systematic review. *Br J Clin Pharmacol*. 2007; 63:136-147. doi:[10.1111/j.1365-2125.2006.02698.x](https://doi.org/10.1111/j.1365-2125.2006.02698.x)
6. Morrison RS, Magaziner J, McLaughlin MA, Orosz G, Silberzweig SB, Koval KJ, et al. The impact of post-operative pain on outcomes following hip fracture. *Pain*. 2003; 103(Issue 3):303-311. ISSN 0304-3959. doi:[10.1016/S0304-3959\(02\)00458-X](https://doi.org/10.1016/S0304-3959(02)00458-X)
7. Edwards I, Salib E. Analgesics in the elderly. *Aging Ment Health*. 2002 February;6(1):88-92. doi:[10.1080/136078601201011103](https://doi.org/10.1080/136078601201011103)
8. Chiappini S, Schifano F, Martinotti G, Strasser JC, Bonnet U, Scherbaum N. Opioid painkiller dependence in a sample of elderly medical inpatients. *Psychogeriatrics*. 2021;21: 265-271. doi:[10.1111/psyg.12658](https://doi.org/10.1111/psyg.12658)