

DAFTAR PUSTAKA

- Adhi, M. H. P. (2023). Implementasi Terapi Continuous Peritoneal Dialysis (CAPD) untuk Pasien Penyakit Ginjal Stadium Akhir: Tinjauan Sistematis. *NURSCOPE: Jurnal Penelitian dan Pemikiran Ilmiah Keperawatan*, 8(2), 2. <https://doi.org/10.30659/nurscope.8.2.60-67>
- Aguiar, R., Pei, M., Qureshi, A. R., & Lindholm, B. (2019). Health-Related Quality of Life in Peritoneal Dialysis Patients: A Narrative Review. *Seminars in Dialysis*, 32(5), 452–462. <https://doi.org/10.1111/sdi.12770>
- Ajeebi, A., Saeed, A., Aljamaan, A., Alshehri, M., Nasradeen, M., Alharbi, N., Omair, A., & Al-Sayyari, A. A. (2020). A Study of Quality of Life among Hemodialysis Patients and Its Associated Factors Using Kidney Disease Quality of Life Instrument-SF36 in Riyadh, Saudi Arabia. *Saudi Journal of Kidney Diseases and Transplantation*, 31(6), 1225. <https://doi.org/10.4103/1319-2442.308331>
- Akbar, M. Y., Mardhatillah., & Putra E. (2022). Hubungan Karakteristik Demografi dengan Fungsi Koping Individu pada Pasien yang Menjalani Hemodialisis di RSUD dr. Zainoel Abidin Provinsi Aceh Tahun 2022. *Jurnal Ilmiah Mahasiswa*, 1(2).
- Akhidayat, H. R. (2019). Analisis Kadar Hemoglobin pada Pasien Penderita Gagal Ginjal Kronik. *International Journal of Applied Chemistry Research*, 1(1), 1-5. <https://doi.org/10.23887/ijacr-undiksha>.
- Al Salmi, I., Kamble, P., Lazarus, E. R., D'Souza, M. S., Al Maimani, Y., & Hannawi, S. (2021). Kidney Disease-Specific Quality of Life among Patients on Hemodialysis. *International Journal of Nephrology*, 2021, e8876559. <https://doi.org/10.1155/2021/8876559>
- Angraini, R. (2021). Faktor – faktor yang mempengaruhi kualitas hidup pasien penyakit ginjal kronik yang menjalani hemodialisa literature review. *Skripsi*.
- Ariyani, H., Hilmawan, R. G., Lutfi, B., Nurdianti, R., Hidayat, R., & Puspitasari, P. (2019). Gambaran Karakteristik Pasien Gagal Ginjal Kronis di Unit Hemodialisa Rumah Sakit Umum DR. Soekardjo Kota Tasikmalaya. *Jurnal Keperawatan & Kebidanan*, 3(2), 1-6.
- Asih, E. Y., Yenny., & Aji, Y. G. T. (2022). Gambaran Kualitas Hidup Pasien dengan Penyakit Ginjal Kronik yang Menjalani Hemodialisis di RSAU dr. Esnawan Antariksa. *Jurnal Kesehatan Mahardika*, 9(2), 29-36. <https://doi.org/10.54867/jkm.v9i2.123>.

- Cakhyono, H. (2019). Hubungan Adekuasi Dialisis Terhadap Kualitas Hidup Pasien Penyakit Ginjal Kronik Yang Menjalani Hemodialisis di RSUD Kota Yogyakarta. *Jurnal Ilmiah Keperawatan*.
- Casey, J. R., Hanson, C. S., Winkelmayer, W. C., Craig, J. C., Palmer, S., Strippoli, G. F. M., & Tong, A. (2014). Patients' Perspectives on Hemodialysis Vascular Access: A Systematic Review of Qualitative Studies. *American Journal of Kidney Diseases*, 64(6), 937–953. <https://doi.org/10.1053/j.ajkd.2014.06.024>
- Chasani, S., Saktini, F., & Ramadhan M G. (2017). Pebandingan kualitas hidup pasien penyakit ginjal kronik yang diterapi dengan CAPD atau Hemodialisis. *Jurnal Kedokteran Dipenogoro*, 6(4), 1518–1528.
- Chen, T. K., Knicely, D. H., & Grams, M. E. (2019). Chronic Kidney Disease Diagnosis and Management: A Review. *JAMA - Journal of the American Medical Association*, 322(13), 1294–1304. <https://doi.org/10.1001/jama.2019.14745>
- Chuasuwana, A., Pooripussarakul, S., Thakkinstian, A., Ingsathit, A., & Pattanapratchee, O. (2020). Comparisons of Quality of Life Between Patients Underwent Peritoneal Dialysis and Hemodialysis: A Systematic Review and Meta-Analysis. *Health and Quality of Life Outcomes*, 18(1), 191. <https://doi.org/10.1186/s12955-020-01449-2>
- Dahlan, M. S. (2020). Statistik Untuk Kedokteran Dan Kesehatan Deskriptif, Bivariat, dan Multivariat Dilengkapi Aplikasi Menggunakan SPSS.
- Dejvorakul, S., Kumar, R., Srirojanakul, S., Panupichit, N., & Somrongthong, R. (2019). Factors Predicted with Quality of Life Among Hemodialysis Patients in Private Hospital of Thailand. *Hospital Practice*, 47(5), 254–258. <https://doi.org/10.1080/21548331.2019.1682879>
- Dudar, I., Shymova, A., Gonchar, Y., Loboda, O., & Krasiuk, E. (2019). Quality of Life in Peritoneal Dialysis Patients and Its Relationship with Nutrition Disorders. *Ukrainian Journal of Nephrology and Dialysis*, 1(61), 1(61). [https://doi.org/10.31450/ukrjnd.1\(61\).2019.06](https://doi.org/10.31450/ukrjnd.1(61).2019.06)
- Fadlillah, S. (2019). Faktor - Faktor yang Berhubungan dengan Kualitas Hidup Pasien Hemodialisis. *Jurnal Kesehatan*, 10(284–290).
- Fatonah L., Andayani T.M., Y. N. M. (2021). Hubungan antara Efektivitas Hemodialisis dengan Kualitas Hidup Pasien Penyakit Ginjal Kronis di Yogyakarta. *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia*. <https://doi.org/10.20473/jfiki.v8i12021.22-28>
- Halimah, N., Alhidayat, N. S., & Handayani, D. E. (2022). Karakteristik Pasien

Gagal Ginjal Kronik dengan Continuous Ambulatory Peritoneal Dialysis di RS TK II Pelamonia. Garuda Pelamonia Jurnal Keperawatan, 4(1), 14–28.

- Hoshino, J., Muenz, D., Zee, J., Sukul, N., Speyer, E., Guedes, M., Lopes, A. A., Asahi, K., van Haalen, H., James, G., Dhalwani, N., Pecoits-Filho, R., Bieber, B., Robinson, B. M., Pisoni, R. L., Lopes, A., Pecoits-Filho, R., Combe, C., Jacquelinet, C., ... Zee, J. (2020). Associations of Hemoglobin Levels With Health-Related Quality of Life, Physical Activity, and Clinical Outcomes in Persons With Stage 3-5 Nondialysis CKD. *Journal of Renal Nutrition*, 30(5), 404–414. <https://doi.org/10.1053/j.jrn.2019.11.003>
- Hsu, C.-C., Huang, C.-C., Chang, Y.-C., Chen, J.-S., Tsai, W.-C., & Wang, K.-Y. (2020). A Comparison of Quality of Life Between Patients Treated with Different Dialysis Modalities in Taiwan. *PLOS ONE*, 15(1), e0227297. <https://doi.org/10.1371/journal.pone.0227297>
- Hudoyo M., Perdana M., S. S. (2018). Validitas dan Reliabilitas Kidney Disease Quality Of Life- 36 (KDQOL-36) Pada Pasien Dengan Hemodialisis Di Rumah Sakit Akademik Universitas Gadjah Mada Yogyakarta. *The SAGE Encyclopedia of Educational Research, Measurement, and Evaluation*, 36, 23–24.
- Hutagaol, E. V. (2016). Peningkatan Kualitas Hidup Pada Penderita Gagal Ginjal Kronik Yang Menjalani Terapi Hemodialisa Melalui Psychological Intervention Di Unit Hemodialisa RS Royal Prima Medan Tahun 2016.
- Idarhyuni, Erna, L. S., & Haryanto, E. (2019). Kualitas Hidup Pasien Gagal Ginjal Kronis (GGK) yang Menjalani Terapi Hemodialisis di Unit Hemodialisis RSAU dr. M. Salamun Bandung. *Jurnal Kesehatan Aeromedika*, 5(1), 17–23.
- Irene, I., Yemina, L., & Maria, S. (2022). Kualitas Hidup Pasien dengan Penyakit Ginjal Kronis dengan Terapi Hemodialisa di RS PGI Cikini. *Jurnal Keperawatan Cikini*, 3(1).
- Jamila, I. N., & Herlina, S. (2019). Study Comparatif Kualitas Hidup Antara Pasien Hemodialisis. *Journal of Islamic Nursing*, 4(2), 54–59. <https://doi.org/10.24252/join.v4i2.10025>
- Jung, H.-Y., Jeon, Y., Park, Y., Kim, Y. S., Kang, S.-W., Yang, C. W., Kim, N.-H., Choi, J.-Y., Cho, J.-H., Park, S.-H., Kim, C.-D., & Kim, Y.-L. (2019). Better Quality of Life of Peritoneal Dialysis Compared to Hemodialysis over a Two-Year Period After Dialysis Initiation. *Scientific Reports*, 9(1), 10266. <https://doi.org/10.1038/s41598-019-46744-1>
- Kalantari, A., Vali, L., & Jahani, Y. (2023). Comparison of Quality of Life in Iranian Hemodialysis and Peritoneal Dialysis Patients. *Novelty in Clinical*

- Medicine, 2(1), 48–55. <https://doi.org/10.22034/ncm.2023.381312.1065>
- Kaskar, S., Bansal, A., & Gokhale, D. (2023). Dietary Preferences and Quality of Life Among Dialysis Patients in Pune: A Cross-Sectional Study [Preprint]. In Review. <https://doi.org/10.21203/rs.3.rs-2536936/v1>
- KDIGO. (2012). Clinical Practice Guideline for the Evaluation and Management of Chronic Kidney Disease.
- Kemenkes. (2018). Laporan Nasional RISKESDAS 2018. Kementerian Kesehatan RI, 1(1), 1. <https://www.kemkes.go.id/article/view/19093000001/penyakit-jantung-penyebab-kematian-terbanyak-ke-2-di-indonesia.html>
- Kustimah, Gimmy, A., Djunaidi, A., & Iskadarsyah, A. (2020). Quality of Life among Patients Undergoing Haemodialysis in Bandung: A Mixed Methods Study. *Jurnal Keperawatan Padjadjaran*, 8(1).
- Lameire, N. H., Levin, A., Kellum, J. A., Cheung, M., Jadoul, M., Winkelmayer, W. C., Stevens, P. E., Caskey, F. J., Farmer, C. K. T., Ferreira Fuentes, A., Fukagawa, M., Goldstein, S. L., Igitaneza, G., Kribben, A., Lerma, E. V., Levey, A. S., Liu, K. D., Małyszko, J., Ostermann, M., ... Srisawat, N. (2021). Harmonizing acute and chronic kidney disease definition and classification: report of a Kidney Disease: Improving Global Outcomes (KDIGO) Consensus Conference. *Kidney International*, 100(3), 516–526. <https://doi.org/10.1016/j.kint.2021.06.028>
- Lydia, A. (2020). Peran Continuous Ambulatory Peritoneal Dialysis dalam Pemerataan Layanan Pengganti Ginjal di Indonesia. *Jurnal Penyakit Dalam Indonesia*, 7(3), 186. <https://doi.org/10.7454/jpdi.v7i3.469>
- Makkar, V., Kumar, M., Mahajan, R., & Khaira, N. S. (2015). Comparison of outcomes and quality of life between hemodialysis and peritoneal dialysis patients in Indian ESRD population. *Journal of Clinical and Diagnostic Research*, 9(3), 28–31. <https://doi.org/10.7860/JCDR/2015/11472.5709>
- Mardyaningsih, D. P. (2014). Kualitas Hidup Pada Penderita Gagal Ginjal Kronik Yang Menjalani Terapi Hemodialisis Di RSUD dr. Soediran Mangun Sumarso Kabupaten Wonogiri. Skripsi. <http://id.portalgaruda.org/>
- Metzger, M., Abdel-Rahman, E. M., Boykin, H., & Song, M. K. (2021). A Narrative Review of Management Strategies for Common Symptoms in Advanced CKD. *Kidney International Reports*, 6(4), 894–904. <https://doi.org/10.1016/j.ekir.2021.01.038>
- Monárrez-Espino, J., Delgado-Valles, J. A., & Ramírez-García, G. (2021). Quality of Life in Primary Caregivers of Patients in Peritoneal Dialysis and Hemodialysis. *Brazilian Journal of Nephrology*, 43, 486–494.

<https://doi.org/10.1590/2175-8239-JBN-2020-0229>

- Munib, S, 2012. Continuous ambulatory peritoneal dialysis in Khyber Pukhtonkhuwa province of Pakistan and adjoining areas of Afghanistan. *Rawal Medical Journal*: Vol. 37. No. 3.
- Nugroho, S. A. (2021). Asuhan Keperawatan Pasien Dengan Terapi Pengganti Ginjal ; Peritoneal Dialysis (PD). *Jurnal Kesehatan*.
- Nusantara, D. T. H., Irawiraman, H., & Devianto, N. (2021). Perbandingan Kualitas Hidup Antara Pasien Penyakit Ginjal Kronik yang Menjalani Terapi CAPD dengan Hemodialisis di RSUD Abdul Wahab Sjahranie Samarinda. *Jurnal Sains Dan Kesehatan*, 3(3), 365–369. <https://doi.org/10.25026/jsk.v3i3.299>
- Oktavia, A. S. (2020). Literatur Intervensi Pendidikan Kesehatan Untuk Meningkatkan Kepatuhan Pasien Gagal Ginjal Kronik Yang Menjalani Hemodialisis. <https://eprints.umm.ac.id/70004/>
- Peng, Y. Sen, Chiang, C. K., Hung, K. Y., Chang, C. H., Lin, C. Y., Yang, C. S., Chen, T. W., Hsia, C. C., Chen, D. L., Hsu, W. D., Chang, C. F., Wu, K. D., Lin, R. P., Tsai, T. J., & Chen, W. Y. (2011). Comparison of self-reported health-related quality of life between Taiwan hemodialysis and peritoneal dialysis patients: A multi-center collaborative study. *Quality of Life Research*, 20(3), 399–405. <https://doi.org/10.1007/s11136-010-9755-9>
- PERNEFRI. (2018). 11th Report Of Indonesian Renal Registry 2018. Indonesian Renal Registry (IRR), 1–46. [https://www.indonesianrenalregistry.org/data/IRR 2018.pdf](https://www.indonesianrenalregistry.org/data/IRR%202018.pdf)
- Prameswari, N. (2019). Asuhan Keperawatan Pasien Penyakit Ginjal Kronis Di Ruang Flamboyan Rumah Sakit Abdul Wahab Sjahranie Samarinda. *Karya Tulis Ilmiah*.
- Pranandhira, R. A. W., Rahman, E. Y., & Khatimah, H. (2023). Karakteristik Pasien Chronic Kidney Disease yang Dilakukan Hemodialisis di RSUD Ulin Banjarmasin Selama Pandemi Covid-19. *Jurnal Mahasiswa Pendidikan Dokter*, 6(1), 69-78.
- Putri, R., Sembiring, L. P., & Bebasari, E. (2016). Gambaran Kualitas Hidup Pasien Gagal Ginjal Kronik Yang Menjalani Terapi Continuous Ambulatory Peritoneal Dialysis Di RSUD Arifin Achmad Provinsi Riau Dengan Menggunakan Kuesioner KDQOL-SF. *Jurnal Kedokteran*, April, 1–16.
- Rahman, M. T. S. A., Kaunang, T. M. D., & Elim, C. (2016). Hubungan antara lama menjalani hemodialisis dengan kualitas hidup pasien yang menjalani hemodialisis di Unit Hemodialisis RSUP. Prof. Dr. R. D. Kandou Manado. *E-CliniC*, 4(1). <https://doi.org/10.35790/ec1.4.1.2016.10829>

- Rahmayani, T. (2019). Perbedaan Kualitas Hidup Pasien Chronic Kidney Disease Yang Menjalani Hemodialisis Dan Continuous Ambulatory Peritoneal Dialysis Di RSUD dr. Saiful Anwar Malang.
- Ramadhan, M., Chasani, S., & Saktini, F. (2017). Perbandingan Kualitas Hidup Pasien Penyakit Ginjal Kronik yang diterapi dengan Continuous Ambulatory Peritoneal Dialysis atau Hemodialisis. *Jurnal Kedokteran Diponegoro*, 6(4). <http://ejournal-s1.undip.ac.id/index.php/medico>
- Renni Simorangkir, Tri Murti Andayani, C. W. (2021). Faktor-Faktor yang Berhubungan dengan Kualitas Hidup Pasien Penyakit Ginjal Kronis yang Menjalani Hemodialisis. *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia*.
- Rokhman, M. R., Wardhani, Y., Partiningrum, D. L., Purwanto, B. D., Hidayati, I. R., Idha, A., Thobari, J. A., Postma, M. J., Boersma, C., & van der Schans, J. (2022). Psychometric properties of kidney disease quality of life-36 (KDQOL-36) in dialysis patients in Indonesia. *Quality of Life Research*, 36(0123456789). <https://doi.org/10.1007/s11136-022-03236-6>
- Saha, M., & Allon, M. (2017). Diagnosis, treatment, and prevention of hemodialysis emergencies. *Clinical Journal of the American Society of Nephrology*, 12(2), 357–369. <https://doi.org/10.2215/CJN.05260516>
- Salam, T. A., Armelia, L., & Arsyad, M. (2022). Quality of Life Chronic Kidney Disease Patients Undergoing Continuous Ambulatory Peritoneal Dialysis at Hermina Hospital Bekasi Reviews from Medical Science and Islam. *Junior Medical Journal*, 1(2), 2. <https://doi.org/10.33476/jmj.v1i2.2876>
- Sarastika, Y., Kisan, Mendrofa, O., & Siahaan, J. V. (2018). Faktor - Faktor yang Mempengaruhi Kualitas Hidup Pasien Gagal Ginjal Kronik (GGK) yang Menjalani Terapi Hemodialisa di RSU Royal Prima Medan. *Jurnal Riset Hesti Medan*, 4(1), 53–60.
- Sitjar-Suñer, M., Suñer-Soler, R., Masià-Plana, A., Chirveches-Pérez, E., Bertran-Noguer, C., & Fuentes-Pumarola, C. (2020). Quality of Life and Social Support of People on Peritoneal Dialysis: Mixed Methods Research. *International Journal of Environmental Research and Public Health*, 17(12), 12. <https://doi.org/10.3390/ijerph17124240>
- Siwi, A. S., & Budiman, A. A. (2021). Kualitas Hidup Pasien Gagal Ginjal Kronik yang Menjalani terapi Hemodialisa. *Jurnal Keperawatan Muhammadiyah Bengkulu*, 09(02), 1–9. <https://doi.org/10.36085/jkmb.v9i2.1711>
- Soelistyoningsih, D., Daramatasia, W., Rifa'i, A., & Gunawan, A. (2019). Kualitas Hidup Pasien Penyakit Ginjal Kronik yang Menjalalni Hemodialisis dan CAPD. *Jurnal Ilmiah Media Husada*, 8(1), 34–40. <https://doi.org/10.33475/jikmh.v8i1.191>

- Suprihatiningsih, T., & Andika, R. (2019). Tingkat Depresi Pasien Hemodialisis Berdasarkan Karakteristik di RSUD Cilacap. *Jurnal Kesehatan Al-Irsyad*, 12(1), 88-99.
- Supriyadi, R., Rakhima, F., & Gondodiputro, R. S. (2019). Validity and Reliability of the Indonesian Version of Kidney Disease Quality of Life (KDQOL-36) Questionnaire in Hemodialysis Patients at Hasan Sadikin Hospital, Bandung, Indonesia. 51(4), 318–323.
- Suwanti, Taufikurrahman, Rosyidi, M. I., & Wakhid, A. (2017). Gambaran Kualitas Hidup Pasien Gagal Ginjal Kronis yang Menjalani Terapi Hemodialisa. *Jurnal Keperawatan*, 5(2), 107–114.
- Tannor, E. K., Archer, E., Kapembwa, K., Van Schalkwyk, S. C., & Davids, M. R. (2017). Quality of life in patients on chronic dialysis in South Africa: a comparative mixed methods study. *Research Article*. <https://doi.org/10.1186/s12882-016-0425-1>
- Tannor, E. K., Archer, E., Kapembwa, K., van Schalkwyk, S. C., & Davids, M. R. (2017). Quality of Life in Patients on Chronic Dialysis in South Africa: A Comparative Mixed Methods Study. *BMC Nephrology*, 18(1), 4. <https://doi.org/10.1186/s12882-016-0425-1>
- Theofilou, P. (2013). Quality of Life in Patients Undergoing Hemodialysis or Peritoneal Dialysis Treatment. *Europe's Journal of Psychology*, 3(3), 132–138. <https://doi.org/10.4021/jocmr552w>
- Totoli, C. A. M. C. C. (2020). Peritoneal Dialysis. *The Lancet*, 282(7315), 1012–1013. [https://doi.org/10.1016/S0140-6736\(63\)90724-4](https://doi.org/10.1016/S0140-6736(63)90724-4)
- Tran, P. Q., Nguyen, N. T. Y., Nguyen, B., & Bui, Q. T. H. (2022). Quality of Life Assessment in Patients on Chronic Dialysis: Comparison Between Haemodialysis and Peritoneal Dialysis at A National Hospital in Vietnam. *Tropical Medicine & International Health*, 27(2), 199–206. <https://doi.org/10.1111/tmi.13709>
- Türk, İ., Ateş, K., & Biyikli, Z. (2020). Quality of Life and Associated Factors in Hemodialysis and Peritoneal Dialysis Patients. *Cukurova Medical Journal*, 45(1), 1. <https://doi.org/10.17826/cumj.628274>
- van Haalen, H., Jackson, J., Spinowitz, B., Milligan, G., & Moon, R. (2020). Impact of Chronic Kidney Disease and Anemia on Health-Related Quality of Life and Work Productivity: Analysis of Multinational Real-World Data. *BMC Nephrology*, 21(1), 88. <https://doi.org/10.1186/s12882-020-01746-4>
- Webster, A. C., Nagler, E. V, Morton, R. L., & Masson, P. (2017). Seminar Chronic kidney disease. *The Lancet*, 389(10075), 1238–1252.

[https://doi.org/10.1016/S0140-6736\(16\)32064-5](https://doi.org/10.1016/S0140-6736(16)32064-5)

- Widowati, S.R., Supriyadi, W. (2011). Tingkat Kualitas Hidup Pasien Gagal Ginjal Kronik Terapi Hemodialisis. *Jurnal Kesehatan Masyarakat*, 6(2), 107–112.
- Yatilah, R., & Hartanti, R. H. (2021). Gambaran Self Care Management Pada Pasien Hemodialisa: Literature Review. *Strategi, Tantangan dan Peluang Tenaga Kesehatan di Era Society 5.0*, 1.
- Yi, C., Wang, X., Ye, H., Lin, J., & Yang, X. (2022). Patient-Reported Gastrointestinal Symptoms in Patients with Peritoneal Dialysis: The Prevalence, Influence Factors and Association with Quality of Life. *BMC Nephrology*, 23(1), 99. <https://doi.org/10.1186/s12882-022-02723-9>
- Zazzeroni, L., Pasquinelli, G., Nanni, E., Cremonini, V., & Rubbi, I. (2017). Comparison of Quality of Life in Patients Undergoing Hemodialysis and Peritoneal Dialysis: A Systematic Review and Meta-Analysis. *Kidney and Blood Pressure Research*, 42(4), 717–727. <https://doi.org/10.1159/000484115>
- Zhang, Z.-C. L. and L.-X. (2019). Prevalence and Disease Burden of Chronic Kidney Disease. In *Advances in Experimental Medicine and Biology* (Vol. 1165). Springer Singapore. https://doi.org/10.1007/978-981-13-8871-2_1
- Zyoud, S. H., Daraghme, D. N., Mezyed, D. O., Khdeir, R. L., Sawafta, M. N., Ayaseh, N. A., Tabeeb, G. H., Sweileh, W. M., Awang, R., & Al-jabi, S. W. (2016). Factors affecting quality of life in patients on haemodialysis : a cross- secti/onal study from Palestine. *BMC Nephrology*, 1–12. <https://doi.org/10.1186/s12882-016-0257-z>