

# Summary of 2023 and the biggest challenges for the “Archives of Medical Science” on its 20<sup>th</sup> Anniversary

Maciej Banach

Founder and Editor in Chief of the Archives of Medical Science

**Submitted:** 31 January 2024; **Accepted:** 31 January 2024

**Online publication:** 31 January 2024

Arch Med Sci 2024; 20 (1): 1–7

DOI: <https://doi.org/10.5114/aoms/183608>

Copyright © 2024 Termedia & Banach

We are in the year of the 20<sup>th</sup> Anniversary of the Archives of Medical Science (AMS). I remember when in 2004, just 2 years after my graduation, I approached the largest Polish publishing house – Termedia, and suggested starting/launching an international, wide-scope, open-access scientific journal. The discussions were not easy, but finally I was able to convince the Publishers to start a completely new department in the Termedia Publishing House related to the development of scientific journals, which is now one of the largest in Central and Eastern Europe with almost 60 journals.

Within this summary of the year 2023 for the journal I would like to present the parametric data, also suggesting completely new, innovative parametric indicators that hopefully inspire other Editors to present the real potential of papers published in the given year.











Let's start with the TOP 10 Most Cited Papers in 2022 in the *Archives of Medical Science* based on the citations from *Web of Science* by Clarivate and also *Dimensions* by Altmetric (Table I). Year 2022 obviously means that those papers (as well as those from 2021) will play the most important role in the calculations of the impact factor 2023 (IF2023) (to be released in June 2024). For these papers I would like also to suggest a new indicator called *the time corrected citations index (TcCI)* which also considers the time of collecting citations and, due to the frequency of publication of the journal (6 issues per year), means multipliers from 1.0 (for papers from 1/2022 issue with the largest chance to get the highest number of citations due to the longest time since the publication) through 1.2 (for 2/2022 issue), 1.4 (for 3/2022 issue), 1.6 (for 4/2022 issue), 1.8 (for 5/2022 issue) to 2.0 (for papers from 6/2022 issue). If we look at the areas and authors of the papers with the highest citations, the first place is definitely for the guidelines of the Polish scientific societies on metabolic syndrome [1], and in the top 10, we can find next 4 papers from the area of cardiovascular diseases [2–5], a paper on the role of statins in lung cancer [6], a paper presenting the potential genetic biomarkers in Alzheimer disease (AD) [7], which has been a very hot topic for several years now, two papers covering the issue of COVID-19 pandemic [8, 9], and finally a critically important paper on the health status and its socio-economic covariates in the older population in Poland based on the PolSenior2 survey [10]. I am very happy that some of those papers were prepared within my wide international research team, but obviously all the authors of the abovementioned papers deserve huge congratulations on these distinctions.

**Table 1.** TOP 10 most cited articles published in 2022 with the potential highest impact for IF2023 calculation. Citations were based on *Web of Science* by Clarivate and *Dimensions* by Altmetric. Time-corrected citations index (TcCI) considers the time of collecting citations and, due to the frequency of publication of the journal, means multipliers from 1.0 to 2.0. Data were collected on 31 January 2024

No.	Reference	Web of Science citations number	Dimensions citations number	Time-corrected citations index (TcCI)
1	Dobrowolski P, Prejbisz A, Kuryłowicz A, Baska A, Burchardt P, Chlebun K, et al. Metabolic syndrome – a new definition and management guidelines. A joint position paper by the Polish Society of Hypertension, Polish Society for the Treatment of Obesity, Polish Lipid Association, Polish Association for Study of Liver, Polish Society of Family Medicine, Polish Society of Lifestyle Medicine, Division of Prevention and Epidemiology Polish Cardiac Society, "Club 30" Polish Cardiac Society, and Division of Metabolic and Bariatric Surgery Society of Polish Surgeons. <i>Archives of Medical Science</i> 2022;18(5):1133-56. <a href="https://doi.org/10.5114/aoms/152921">https://doi.org/10.5114/aoms/152921</a>	31	40	56/72
2	Amin F, Fathi F, Reiner Ž, Banach M, Sahebkar A. The role of statins in lung cancer. <i>Archives of Medical Science</i> . 2022;18(1):141-52. <a href="https://doi.org/10.5114/aoms/123225">https://doi.org/10.5114/aoms/123225</a>	14	19	14/19
3	Banach M, López-Sendon J L, Averna M, Cariou B, Manvelian G, et al. Treatment adherence and effect of concurrent statin intensity on the efficacy and safety of alirocumab in a real-life setting: results from ODYSSEY APPRISE. <i>Archives of Medical Science</i> . 2022;18(2):285-92. <a href="https://doi.org/10.5114/aoms/143476">https://doi.org/10.5114/aoms/143476</a>	14	15	17/18
4	Sun C, Liu J, Duan F, Cong L, Qi X. The role of the microRNA regulatory network in Alzheimer's disease: a bioinformatics analysis. <i>Archives of Medical Science</i> . 2022;18(1):206-22. <a href="https://doi.org/10.5114/aoms/80619">https://doi.org/10.5114/aoms/80619</a>	13	18	13/18
5	Banach M, Reiner Z, Cicero AF, Sabouret P, Viigimaa M, Sahebkar A, et al. 2022: the year in cardiovascular disease – the year of upfront lipid lowering combination therapy. <i>Archives of Medical Science</i> . 2022;18(6):1429-34. <a href="https://doi.org/10.5114/aoms/156147">https://doi.org/10.5114/aoms/156147</a>	13	14	26/28
6	Banach M, Kazmierczak J, Mitkowski P, Wita K, Broncel M, Gašior M, et al. Which patients at risk of cardiovascular disease might benefit the most from inclisiran? Polish experts' opinion. The compromise between EBM and possibilities in healthcare. <i>Archives of Medical Science</i> . 2022;18(3):569-76. <a href="https://doi.org/10.5114/aoms/147435">https://doi.org/10.5114/aoms/147435</a>	11	14	15/20
7	Wierucki Ł, Kujawska-Danecka H, Mossakowska M, Grodzicki T, Błędowski P, Chudek J, et al. Health status and its socio-economic covariates in the older population in Poland – the assumptions and methods of the nationwide, cross-sectional PolSenior2 survey. <i>Archives of Medical Science</i> . 2022;18(1):92-102. <a href="https://doi.org/10.5114/aoms.2020.100898">https://doi.org/10.5114/aoms.2020.100898</a>	10	12	10/12
8	Chiquete E, Alegre-Díaz J, Ochoa-Guzmán A, Toapanta-Yanchapaxi L N, González-Carballo C, Garcilazo-Ávila A, et al. Ethnicity and other COVID-19 death risk factors in Mexico. <i>Archives of Medical Science</i> . 2022;18(3):711-8. <a href="https://doi.org/10.5114/aoms.2020.101443">https://doi.org/10.5114/aoms.2020.101443</a>	9	11	13/15
9	Mazidi M, Shekoohi N, Katsiki N, Banach M, Lipid and Blood Pressur Meta-analysis Collaboration (LBPMC) Group. Omega-6 fatty acids and the risk of cardiovascular disease: insights from a systematic review and meta-analysis of randomized controlled trials and a Mendelian randomization study. <i>Archives of Medical Science</i> . 2022;18(2):466-79. <a href="https://doi.org/10.5114/aoms/136070">https://doi.org/10.5114/aoms/136070</a>	9	9	11/11
10	Ordak M. COVID-19 research: quality of biostatistics. <i>Archives of Medical Science</i> . 2022;18(1):257-9. <a href="https://doi.org/10.5114/aoms/144644">https://doi.org/10.5114/aoms/144644</a>	8	14	8/14

The papers published in the journal in 2023 can be evaluated using different indicators, including the well-recognized *Altmetric Score*, which reflects the interest (attention) in the article via its sharing on social media, blogs, but also mentions and citations in the different media sources (Table II). The highest Altmetric Score for papers published in 2023 was achieved by the paper prepared by

**Table II.** TOP 10 2023 articles with the highest Altmetric Score

1.	Ryczkowska K, Adach W, Janikowski K, Banach M, Bielecka-Dabrowa A. Menopause and women’s cardiovascular health: is it really an obvious relationship?. Archives of Medical Science. 2023;19(2):458-66. <a href="https://doi.org/10.5114/aoms/157308">https://doi.org/10.5114/aoms/157308</a>	
2.	Banach M, Surma S, Toth PP. 2023: The year in cardiovascular disease – the year of new and prospective lipid lowering therapies. Can we render dyslipidemia a rare disease by 2024?. Archives of Medical Science. 2023;19(6):1602-15. <a href="https://doi.org/10.5114/aoms/174743">https://doi.org/10.5114/aoms/174743</a>	
3.	Ryu T, Yang K, Chung BS. Defecation alleviates hangover by terminating intestinal drinking. Archives of Medical Science. 2023;19(6):1909-12. <a href="https://doi.org/10.5114/aoms/174445">https://doi.org/10.5114/aoms/174445</a>	
4.	Bernardi M, Spadafora L, Galli M, Biondi-Zoccai G, Sabouret P. Should SGLT2 inhibitors be prescribed in all diabetic type 2 patients?. Archives of Medical Science. 2023;19(2):528-31. <a href="https://doi.org/10.5114/aoms/160006">https://doi.org/10.5114/aoms/160006</a>	
5.	Hao Z, Liu K, Qi W, Zhang X, Zhou L, Chen P. Which exercise interventions are more helpful in treating primary obesity in young adults? A systematic review and Bayesian network meta-analysis. Archives of Medical Science. 2023;19(4):865-83. <a href="https://doi.org/10.5114/aoms/153479">https://doi.org/10.5114/aoms/153479</a>	
6.	Banach M, Surma S, ILEP. A look to the past – what has had the biggest impact on lipids in the last four decades? A personal perspective. Archives of Medical Science. 2023;19(3):559-64. <a href="https://doi.org/10.5114/aoms/166256">https://doi.org/10.5114/aoms/166256</a>	
7.	Liu D, Shi Q, Cheng G, Huang Q, Li S. Worldwide burden attributable to diet high in red meat from 1990 to 2019. Archives of Medical Science. 2023;19(1):1-15. <a href="https://doi.org/10.5114/aoms/156017">https://doi.org/10.5114/aoms/156017</a>	
8.	Małujło-Balcerska E, Sipowicz K, Pietras T. Comparing chronic obstructive pulmonary disease and depressive disorder in terms of inflammation-related biomarkers. Archives of Medical Science. 2023;19(3):814-9. <a href="https://doi.org/10.5114/aoms/161803">https://doi.org/10.5114/aoms/161803</a>	
9.	Sabouret P, Dib J, Ecartot F, Banach M, Lellouche N. Eligibility for icosapent ethyl in a French population of coronary outpatients with type 2 diabetes. Archives of Medical Science. 2023;19(6):1901-3. <a href="https://doi.org/10.5114/aoms/173511">https://doi.org/10.5114/aoms/173511</a>	
10.	Mitrovic B, Gluvic Z, Obradovic MM, Radunovic M, Rizzo M, Banach M et al. Non-alcoholic fatty liver disease, metabolic syndrome, and type 2 diabetes mellitus: where do we stand today?. Archives of Medical Science. 2023;19(4):884-94. <a href="https://doi.org/10.5114/aoms/150639">https://doi.org/10.5114/aoms/150639</a>	

Kamila Ryczkowska MSc on menopause and women's cardiovascular health [11] with a score of 207, which reflects the reference of the article in 24 news stories from 24 outlets, by 15 Twitter (X) users and one citation in Wikipedia. The 2<sup>nd</sup> place and silver medal happily goes to the article of my authorship, which summarized the year 2023 in the cardiovascular diseases and focused on the most recent achievements in the field, including new and prospective drugs, new data, and recommendations, with the large emphasis on the upfront lipid lowering combination therapy [12]. Our article was mentioned and discussed by 478 Twitter users. Next 8 articles from the list have Altmetric Score from 12 to 38, and they refer to the critically important issue of alcoholism [13], discussion around new effective antidiabetic drugs – SGLT2 inhibitors [14], the effective interventions on obesity [15], and related to this topic – the most common and worst monitored cardiovascular risk factor – lipid disorders, and what had the highest impact in this area in last four decades [16]. The next awarded paper referred to diet with the large emphasis on the worldwide burden attributable to high red meat diet based on the data from the Global Burden of Diseases (GBD) 1990–2019 [17]. The last 3 featured articles compared chronic obstructive pulmonary disease (COPD) and depressive disorder in terms of inflammation-related biomarkers [18], presented the real-world evidence (RWE) data on the use of icosapent ethyl in coronary diabetic patients in France [19], and summarized the recent knowledge in the non-alcoholic fatty liver disease (NAFLD; now correctly named as steatotic liver disease [SLD]), metabolic syndrome, and type 2 diabetes mellitus [20].

Another way to present the hot topic articles is using the parameters related to the number of paper's views and especially downloads (what may suggest a higher interest in the given paper), and based on this, new suggested indicators – *the downloads/views (D/V) ratio* (the higher the ratio, the larger interest based on the higher number of full paper downloads), and *the paper recognition index (PRI)*, which is D/V ratio enriched with the Altmetric Score based on the following formula:  $(Downloads + Altmetric\ Score^2)/Views$ . Articles were selected for this category by the number of downloads, and next categorized based on the PRI (Table III). Again (what makes me very pleased) the first place goes to our article that summarized the year 2023 in CVD, focusing on the lipid disorders area – with the number of downloads of almost 3000 [12], the second and third places go also to articles included in the Altmetric Score list – one by the French authors led by Drs. Bernardi and Sabouret [14], and the other on the largest achievements in lipidology in the last 40 years [16]. The

state-of-the-art paper on the pathophysiology and management in hyponatremia in patients with arterial hypertension took fourth place [21]. The following fantastic articles that were often read were related to the role of exercise in the prevention of lymphoedema secondary to breast cancer [22], *in vitro/in vivo*/clinical studies on the role of current herbal extracts in bone regeneration through dental implants [23], and non-invasive measurement of liver iron concentration by magnetic resonance imaging (MRI) [24]. The paper from the orthopedic area presenting the results from the randomized controlled trial on the virtual reality (VR) versus Biodex training in adolescents with chronic ankle instability [25], from the area of molecular medicine on the flow cytometric characterization of cell surface markers to differentiate between fibroblasts and mesenchymal stem cells of different origin [26], and finally a meta-analysis from the group of Prof. Adrian Hernandez, on the efficacy and safety of sacubitril/valsartan in heart failure (HF) compared to renin–angiotensin–aldosterone system (RAAS) inhibitors [27] were the last ones included in the TOP 10 Most Viewed articles.

I believe, it is also important in this 20<sup>th</sup> Anniversary Year of the journal to present also 10 papers defined as the *highly cited papers* in the *Web of Science* by Clarivate. One of them was a paper recently published in 2023 by Dr Aleksandra Klisic which aimed to evaluate the potential relationship between iron status markers and insulin resistance and showed that serum soluble transferrin receptor levels were independently associated with HOMA-IR, whereas higher serum ferritin levels together with higher retinol-binding protein-4 were related to higher HOMA-IR in adolescent girls [28]. Another highly cited paper published in 2021 – the Polish lipid guidelines [29] – is worth mentioning, especially as the authors are now working on its update. One should also mention the article published in 2017 with the highest number of citations for all AMS articles ( $n = 1017$ ) and entitled “Obesity and inflammation: the linking mechanism and the complications” authored by Drs Mohammed S. Ellulu, Ismail Patimah, Huzwah Khaza'ai, Asmah Rahmat from the University Putra Malaysia, and Dr Yehia Abed from the Al Quds University of Gaza in Palestine [30]. I extend my sincere congratulations to all mentioned and awarded papers and great thanks for their large contribution to the success of the *Archives of Medical Science*.

Let's hope this 20<sup>th</sup> year of the journal and the forthcoming ones will be equally successful. Let me say a few words what awaits us. We would still like to increase the quality of accepted papers (the acceptance rate for 2023 was < 15%, and for original papers < 11% for 1274 papers submitted

**Table III.** TOP 10 most downloaded/viewed 2023 articles of the Archives of Medical Science with the number of downloads, views, the D/V ratio, and paper recognition index (PRI) (D/V ratio enriched with the Altmetric Score) (calculated for the date of 31<sup>st</sup> January 2024)

No.	Authors, Title of the paper, published issue	Downloads/Views	D/V ratio	PRI
1	Banach M, Surma S, Toth PP. 2023: The year in cardiovascular disease – the year of new and prospective lipid lowering therapies. Can we render dyslipidemia a rare disease by 2024? Archives of Medical Science. 2023;19(6):1602-15. <a href="https://doi.org/10.5114/aoms/174743">https://doi.org/10.5114/aoms/174743</a>	Downloads: 2983/ Views: 7238	0.41	6.27
2	Bernardi M, Spadafora L, Galli M, Biondi-Zoccai G, Sabouret P. Should SGLT2 inhibitors be prescribed in all diabetic type 2 patients? Archives of Medical Science. 2023;19(2):528-31. <a href="https://doi.org/10.5114/aoms/160006">https://doi.org/10.5114/aoms/160006</a>	Downloads: 421/ Views: 1284	0.33	1.03
3	Banach M, Surma S, ILEP. A look to the past – what has had the biggest impact on lipids in the last four decades? A personal perspective. Archives of Medical Science. 2023;19(3):559-64. <a href="https://doi.org/10.5114/aoms/166256">https://doi.org/10.5114/aoms/166256</a>	Downloads: 424/ Views: 1206	0.35	0.68
4	Adamczak M, Surma S, Więcek A. Hyponatremia in patients with arterial hypertension: pathophysiology and management. Archives of Medical Science. 2023;19(6):1630-45. <a href="https://doi.org/10.5114/aoms/161578">https://doi.org/10.5114/aoms/161578</a>	Downloads: 388/ Views: 1767	0.22	0.63
5	Tendero-Ruiz L, Palomo-Carrión R, Megía-García-Carpintero Á, Pérez-Nombela S, López-Muñoz P, Bravo-Esteban E. The effect of therapeutic exercise in the prevention of lymphoedema secondary to breast cancer: a systematic review. Archives of Medical Science. 2023;19(6):1684-92. <a href="https://doi.org/10.5114/aoms.2020.101435">https://doi.org/10.5114/aoms.2020.101435</a>	Downloads: 342/ Views: 845	0.40	0.40
6	Eftekhari Ashtiani R, Hadi A, Nouri F, Rahimi S, Badkoobeh A, Abbasi K, et al. The role of current herbal extracts in bone regeneration through dental implants: in vitro/in vivo/clinical studies. Archives of Medical Science. 2023;19(6):1653-61. <a href="https://doi.org/10.5114/aoms/153510">https://doi.org/10.5114/aoms/153510</a>	Downloads: 386/ Views: 1018	0.38	0.38
7	Alustiza JM, Castiella A, Zapata E, Urreta I, Salvador E, Empananza JI. Non-invasive measurement of liver iron concentration by magnetic resonance imaging and its clinical usefulness. Archives of Medical Science. 2023;19(3):784-91. <a href="https://doi.org/10.5114/aoms/119118">https://doi.org/10.5114/aoms/119118</a>	Downloads: 331/ Views: 909	0.36	0.37
8	Shousha T M, Abo-zaid N A, Hamada HA, Abdelhamid Abdelsamee M Y, Behiry M A. Virtual reality versus Biodex training in adolescents with chronic ankle instability: a randomized controlled trial. Archives of Medical Science. 2023;19(4):1059-68. <a href="https://doi.org/10.5114/aoms/134635">https://doi.org/10.5114/aoms/134635</a>	Downloads: 414/ Views: 1244	0.33	0.33
9	Sober SA, Darmani H, Alhattab D, Awidi A. Flow cytometric characterization of cell surface markers to differentiate between fibroblasts and mesenchymal stem cells of different origin. Archives of Medical Science. 2023;19(5):1487-96. <a href="https://doi.org/10.5114/aoms/131088">https://doi.org/10.5114/aoms/131088</a>	Downloads: 761/ Views: 2864	0.27	0.27
10	Hernandez AV, Pasupuleti V, Scarpelli N, Malespini J, Banach M, Bielecka-Dabrowa AM. Efficacy and safety of sacubitril/valsartan in heart failure compared to renin-angiotensin-aldosterone system inhibitors: a systematic review and meta-analysis of randomised controlled trials. Archives of Medical Science. 2023;19(3):565-76. <a href="https://doi.org/10.5114/aoms/159113">https://doi.org/10.5114/aoms/159113</a>	Downloads: 328/ Views: 1439	0.24	0.26

and only 172 accepted), to improve the review process and invite new, very experienced Section Editors (please join us if you are interested!), and in next 2 years, for the IF2025 (published in 2026) we would like to have IF of AMS > 5. Please keep your fingers crossed!

Taking this opportunity, I would like to kindly thank all Authors, Readers and especially my amazing Editors I have a great honor to collaborate with every day.

### Conflict of interest

The author declares no conflict of interest.

### References

- Dobrowolski P, Prejbisz A, Kuryłowicz A, et al. Metabolic syndrome – a new definition and management guidelines. A joint position paper by the Polish Society of Hypertension, Polish Society for the Treatment of Obesity, Polish Lipid Association, Polish Association for Study of Liver, Polish Society of Family Medicine, Polish Society of Lifestyle Medicine, Division of Prevention and Epidemiology Polish Cardiac Society, “Club 30” Polish Cardiac Society, and Division of Metabolic and Bariatric Surgery Society of Polish Surgeons. *Arch Med Sci* 2022; 18: 1133-56.
- Banach M, López-Sendon JL, Aversa M, et al. Treatment adherence and effect of concurrent statin intensity on the efficacy and safety of alirocumab in a real-life setting: results from ODYSSEY APPRISE. *Arch Med Sci* 2022; 18: 285-92.
- Banach M, Reiner Z, Cicero AF, et al. 2022: the year in cardiovascular disease – the year of upfront lipid lowering combination therapy. *Arch Med Sci* 2022; 18: 1429-34.
- Banach M, Kaźmierczak J, Mitkowski P, et al. Which patients at risk of cardiovascular disease might benefit the most from inclisiran? Polish experts' opinion. The compromise between EBM and possibilities in healthcare. *Arch Med Sci* 2022; 18: 569-76.
- Mazidi M, Shekoohi N, Katsiki N, Banach M, Lipid and Blood Pressure Meta-analysis Collaboration (LBPMC) Group. Omega-6 fatty acids and the risk of cardiovascular disease: insights from a systematic review and meta-analysis of randomized controlled trials and a Mendelian randomization study. *Arch Med Sci* 2022; 18: 466-79.
- Amin F, Fathi F, Reiner Ž, Banach M, Sahebkar A. The role of statins in lung cancer. *Arch Med Sci* 2022; 18: 141-52.
- Sun C, Liu J, Duan F, Cong L, Qi X. The role of the micro-RNA regulatory network in Alzheimer's disease: a bioinformatics analysis. *Arch Med Sci* 2022; 18: 206-22.
- Chiquete E, Alegre-Díaz J, Ochoa-Guzmán A, et al. Ethnicity and other COVID-19 death risk factors in Mexico. *Arch Med Sci* 2022; 18: 711-8.
- Ordak M. COVID-19 research: quality of biostatistics. *Arch Med Sci* 2022; 18: 257-9.
- Wierucki Ł, Kujawska-Danecka H, Mossakowska M, et al. Health status and its socio-economic covariates in the older population in Poland – the assumptions and methods of the nationwide, cross-sectional PolSenior2 survey. *Arch Med Sci* 2022; 18: 92-102.
- Rydzkowska K, Adach W, Janikowski K, Banach M, Bielecka-Dabrowa A. Menopause and women's cardiovascular health: is it really an obvious relationship? *Arch Med Sci* 2023; 19: 458-66.
- Banach M, Surma S, Toth PP. 2023: The year in cardiovascular disease – the year of new and prospective lipid lowering therapies. Can we render dyslipidemia a rare disease by 2024? *Arch Med Sci* 2023; 19: 1602-15.
- Ryu T, Yang K, Chung BS. Defecation alleviates hangover by terminating intestinal drinking. *Arch Med Sci* 2023; 19: 1909-12.
- Bernardi M, Spadafora L, Galli M, Biondi-Zoccai G, Sabouret P. Should SGLT2 inhibitors be prescribed in all diabetic type 2 patients? *Arch Med Sci* 2023; 19: 528-31.
- Hao Z, Liu K, Qi W, Zhang X, Zhou L, Chen P. Which exercise interventions are more helpful in treating primary obesity in young adults? A systematic review and Bayesian network meta-analysis. *Arch Med Sci* 2023; 19: 865-83.
- Banach M, Surma S, ILEP. A look to the past – what has had the biggest impact on lipids in the last four decades? A personal perspective. *Arch Med Sci* 2023; 19: 559-64.
- Liu D, Shi Q, Cheng G, Huang Q, Li S. Worldwide burden attributable to diet high in red meat from 1990 to 2019. *Arch Med Sci* 2023; 19: 1-15.
- Matujto-Balcerska E, Sipowicz K, Pietras T. Comparing chronic obstructive pulmonary disease and depressive disorder in terms of inflammation-related biomarkers. *Arch Med Sci* 2023; 19: 814-9.
- Sabouret P, Dib J, Ecarnot F, Banach M, Lellouche N. Eligibility for icosapent ethyl in a French population of coronary outpatients with type 2 diabetes. *Arch Med Sci* 2023; 19: 1901-3.
- Mitrovic B, Gluvic Z, Obradovic MM, et al. Non-alcoholic fatty liver disease, metabolic syndrome, and type 2 diabetes mellitus: where do we stand today? *Arch Med Sci* 2023; 19: 884-94.
- Adamczak M, Surma S, Więcek A. Hyponatremia in patients with arterial hypertension: pathophysiology and management. *Arch Med Sci* 2023; 19: 1630-45.
- Tendero-Ruiz L, Palomo-Carrión R, Megía-García-Carpintero Á, Pérez-Nombela S, López-Muñoz P, Bravo-Esteban E. The effect of therapeutic exercise in the prevention of lymphoedema secondary to breast cancer: a systematic review. *Arch Med Sci* 2023; 19: 1684-92.
- Eftekhari Ashtiani R, Hadi A, Nouri F, et al. The role of current herbal extracts in bone regeneration through dental implants: in vitro/in vivo/clinical studies. *Arch Med Sci* 2023; 19: 1653-61.
- Alustiza JM, Castiella A, Zapata E, Urreta I, Salvador E, Emparanza JI. Non-invasive measurement of liver iron concentration by magnetic resonance imaging and its clinical usefulness. *Arch Med Sci* 2023; 19: 784-91.
- Shousha TM, Abo-zaid NA, Hamada HA, Abdelhamid Abdelsamee MY, Behiry MA. Virtual reality versus Biodex training in adolescents with chronic ankle instability: a randomized controlled trial. *Arch Med Sci* 2023; 19: 1059-68.
- Sober SA, Darmani H, Alhattab D, Awidi A. Flow cytometric characterization of cell surface markers to differentiate between fibroblasts and mesenchymal stem cells of different origin. *Arch Med Sci* 2023; 19: 1487-96.
- Hernandez AV, Pasupuleti V, Scarpelli N, Malespini J, Banach M, Bielecka-Dabrowa AM. Efficacy and safety of sacubitril/valsartan in heart failure compared to renin-angiotensin-aldosterone system inhibitors: a systematic review and meta-analysis of randomised controlled trials. *Arch Med Sci* 2023; 19: 565-76.

28. Klisic A, Kavaric N, Kotur J, Ninic A. Serum soluble transferrin receptor levels are independently associated with homeostasis model assessment of insulin resistance in adolescent girls. *Arch Med Sci* 2023; 19: 987-94.
29. Banach M, Burchardt P, Chlebus K, et al. PoLA/CFPiP/PCS/PSLD/PSD/PSH guidelines on diagnosis and therapy of lipid disorders in Poland 2021. *Arch Med Sci* 2021; 17: 1447-547.
30. Ellulu MS, Patimah I, Khaza'ai H, Rahmat A, Abed Y. Obesity and inflammation: the linking mechanism and the complications. *Arch Med Sci* 2017; 13: 851-63.