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NEW DENTAL ANTHROPOLOGY DATA ON THE PAZYRYK CULTURE POPULATION OF THE ALTAI MOUNTAINS

New data on the dental anthropology of the Scythian time (VI–III centuries BC) population of the northern local variant of the Pazyryk archaeological culture are introduced into scientific use. The data were obtained from 117 individuals representing the population of The Middle and Lower Katun River and the valley of the Charysh River. The purpose of the study is to test, based on dental data, the hypothesis of the close ties between the Scythian time population of the northern variant of the Pazyryk culture and the Kamenskaya and Staroaleyskaya cultures of the Upper Ob region. The study revealed the proximity of the dental complex of the population of the Pazyryk culture of the Middle and Lower Katun on the one hand and both samples of the Staroaleyskaya and some samples of Kamenskaya cultures on the other. The individuals buried in Khankarinsky Dol ground, located in the foothills of the North-Western Altai, displayed a greater similarity with the Pazyryk population of the Central and South-Eastern Altai than with one of the Northern Altai. This conclusion is consistent with previously obtained archeological data. Thus, anthropological data confirm that the Pazyryk population, namely its northern variant, participated in the formation of the Staroaleyskaya culture.

Keywords: Pazyryk culture, Staroaleyskaya culture, Kamenskaya culture, Mountain Altai, Scythian time, dental anthropology

For Citation: Leibova, N.A., Tur, S.S. 2022. New Dental Anthropology Data of the Pazyryk Culture Population of the Altai Mountains. *Herald of Anthropology (Vestnik Antropologii)* 2: 174–192.

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Funding: The research was carried out with the financial support of the RFBR (grant No. 19–09–00205).

References

- Aksyanova, G.A., and Gelidyeva G. 2002. Morfologicheskie osobennosti zubnoi sistemy naseleniia antichnogo vremeni severo-zapada Turkmenistana [Morphological features of the dental system of the ancient population of the northwest of Turkmenistan]. In *Na putiakh biologicheskoi istorii chelovechestva*, 5–55. T. II. Moscow: IEA RAN.

- Aksyanova, G.A., Bobrova, A.I., and Yakovlev Ya.A. 2004. Mogil'nik Aldygan — nekropol' rannego zheleznogo veka kulaiskoi kul'tury [The Aldygan burial ground — a necropolis of the early Iron Age of the Kulai culture]. *Vestnik antropologii* 11: 54–75.
- Bagdasarova, N.A. 2000. Odontologicheskaiia kharakteristika kochevnikov Ustiyurta savromato-sarmatskogo vremeni (po materialam mogil'nika Kazybaba) [Odontological characteristics of the nomads of Ustyurt of the Savromato-Sarmatian time (based on the materials of the Kazybab burial ground)]. In *Etnicheskaiia antropologiia Srednei Azii*. Vyp.2. Antropologicheskie i etnograficheskie svedeniia o naselenii Srednei Azii, 113–124. Moscow.
- Beisenov, A.Z., Ismagulova, A.O., Kitov, E.P., and Kitova A.O. 2015. *Naselenie Tsentral'nogo Kazakhstana v I tys. do n. e.* [The population of Central Kazakhstan in the 1st millennium BC]. Almaty.
- Borodovskii, A.P., and Borodovskaia E.L. 2013. *Arkheologicheskie pamiatniki gornoj doliny nizhnei Katuni v epokhu paleometalla* [Archaeological sites of the mountain valley of the lower Katun in the back of the paleometal]. Novosibirsk: Izdatel'stvo Instituta arkheologii i etnografii SO RAN.
- Chikisheva, T.A. 2012. *Dinamika antropologicheskoi differentsiatsii naseleniia iuga Zapadnoi Sibiri v epokhi neolita — rannego zheleza* [Dynamics of anthropological differentiation of the population of the south of Western Siberia of the Neolithic — Early Iron Age]. Novosibirsk.
- Dashkovskii, P.K. 2016. Mogil'nik pazyrykskoi kul'tury Khankarinskii dol na Altae: kharakteristika pogrebal'nogo obriada i osnovnye napravleniia mezhdistsiplinarynykh issledovaniu [Burial grounds of the Pazyryk culture Khankarinsky Dol in Altai: characteristics of the funeral rite and the main directions of interdisciplinary research]. In *Mirovozzrenie naseleniia Iuzhnoi Sibiri i Tsentral'noi Azii v istoricheskoi retrospektive*, 42–65. Barnaul: Izdatel'stvo Altaiskogo universitetata.
- Frolov, Ia.V. 2008. Pogrebal'nyi obriad naseleniia Barnaul'skogo Priob'ia v VI v. do n. e. — II v. n. e. (po dannym gruntovykh mogil'nikov) [Funeral rite of the population of Barnaul Ob in the 6th century BC — 2nd century AD (according to soil burial grounds)]. Barnaul: Azbuka.
- Kiriushin, Iu.F., and Stepanova, N.F. 2004. *Skifskaiia epokha Gornogo Altaia. III. Pogrebal'nye komplekсы skifskogo vremeni srednei Katuni* [Scythian era of Altai Mountains. Part III. Burial complexes of the Scythian time of the middle Katun]. Barnaul: Izdatel'stvo Altaiskogo universiteta.
- Kishkurno, M.S. 2018. Proiskhozhdenie nositelei kamenskoj kul'tury Novosibirskogo Priob'ia po odontologicheskim dannym iz mogil'nika Bystrovka-3 (III–I vv. do n. e.) [Odonthological Characteristics of the Anthropological Series from the Early Iron Age Burial Ground Verkh-Suzun-5 from the Novosibirsk Ob Region]. *Camera praehistorica* 1: 134–147.
- Kubarev, V.D., and Shuliga, P.I. 2007. *Pazyrykskaiia kul'tura (kurgany Chui i Ursula)* [Pazyryk culture (mounds of Chuya and Ursula)]. Barnaul: Izdatel'stvo Altaiskogo universiteta.
- Kubarev, I.D. 1992. *Kurgany Sailyugema* [Mounds of Saylyugem]. Novosibirsk.
- Leibova, N.A. 2019. Odontologicheskaiia kharakteristika naseleniia Gornogo Altaia gunno-sarmatskogo vremeni [Nonmetric Dental Traits of the Mountain Altai Population of Xiongnu-Sarmatian Era]. *Izvestiia Irkutskogo gosudarstvennogo universiteta. Serii Geoarkheologiia. Etnologiia. Antropologiia* 30: 34–49.
- Leibova, N.A., and Tur, S.S. 2020. Odontologicheskie osobennosti naseleniia lesostepnogo Altaia skifskogo vremeni [Dental features of the Forest Steppe Altai Scythian time population]. *Vestnik arkheologii, antropologii i etnografii* 4 (51):171–186.
- Polosimak, N.V. 1994. Pazyrykskaiia kul'tura [Pazyryk culture]. In *Drevnie kul'tury Bertekskoi doliny*. Gornyi Altai, ploskogor'e Ukok. Novosibirsk.
- Rykushina, G.V. 1977. Odontologicheskaiia kharakteristika naseleniia karasukskoi kul'tury [Odontological characteristics of the population of the Karasuk culture]. *Voprosy antropologii* 57: 143–154.

- Rykushina, G.V. 1993. Materialy po odontologii dzhetyasarskoi kul'tury. Gruntovye pogrebeniia mogil'nikov Kosasar 2, Kosasar 3, Tompakasar, Bedaikasar [Odontological characteristics of the population of the Karasuk culture]. In *Nizov'ia Syrdar'i v drevnosti*. Vyp. III. Dzhetyasarskaia kul'tura. Ch. II. Mogil'niki Tompakasar i Kosasar: 194–205. Moscow.
- Rykushina, G.V. 1995. Odontologicheskaia kharakteristika naseleniia dzhetyasarskogo vremeni (po materialam mogil'nikov Altynasar 4) [Odontological characteristics of the population of the Dzhetyasar time (based on the materials of Altynasar 4 burial grounds)]. In *Nizov'ia Syrdar'i v drevnosti*. Vyp. V. Dzhetyasarskaia kul'tura. Ch. V: 290–303. Moscow.
- Rykushina, G.V. 2007. *Paleoantropologiiia karasukskoi kul'tury* [Paleoanthropology of Karasuk culture]. Moscow.
- Segeda, S.P. 2006. Rannie sarmaty Iuzhnogo Priural'ia po dannym odontologii (na materialakh mogil'nika Lebedevka) [Ранние сарматы Южного Приуралья по данным одонтологии (на материалах могильника Лебедевка)]. In *Drevnosti Lebedevki (6th-2nd centuries BC)*: 155–159. Moscow.
- Shuliga, P.I. 1986. K voprosu o kul'ture skotovodov Gornogo Altaia v VI–II vv. do n. e. [On the question of the culture of cattle breeders of the Altai Mountains in the VI–II centuries BC]. In *Skifskaia epokha Altaia*: 20–23. Barnaul.
- Surazakov, A.S. 1983. Kurgany epokhi rannego zheleza v mogil'nike Kyz'yk-Telan' I (k voprosu o vydelenii kara-kobinskoi kul'tury) [Mounds of the Early Iron Age in the burial ground of Kyz'yk-Telan I (on the issue of the allocation of the Kara-Kobin culture)]. In *Arkheologicheskie issledovaniia v Gornom Altae v 1980–1982 godakh*: 42–52. Gorno-Altaiisk.
- Suvorova, N.A. (Leibova). 2008. Odontologicheskaia kharakteristika rannikh kochevnikov Iuzhnogo Priural'ia po materialam mogil'nika Pokrovka-10: (Predvaritel'noe soobshchenie) [Odontological characteristics of the early nomads of the Southern Urals based on the materials of the Pokrovka-10 burial ground: (Preliminary report)]. In *Stepnoe naselenie Iuzhnogo Priural'ia v pozdnesarmatskoe vremia*: 87–95. Moscow.
- Tur, S.S. 2003. Antropologicheskii sostav naseleniia Srednei Katuni skifskogo vremeni (vnutrigruppovoi analiz) [Anthropological composition of the population of the Middle Katun of the Scythian period (intragroup analysis)]. In Kiriushin, Iu.F., Stepanova, N.F. and Tishkin, A. A. *Skifskaia epokha Gornogo Altaia. Ch. II. Pogrebal'no-pominal'nye komplekсы skifskoi kul'tury. Prilozhenie II*: 137–169. Barnaul: Izdatel'stvo Altaiskogo universiteta.
- Tur, S.S. 2009. Odontologicheskaia kharakteristika naseleniia andronovskoi kul'tury Altaia [Odontological characteristics of the population of the Andronovo culture of Altai]. *Izvestiia AGU*, 94 (64): 228–235.
- Zubov, A.A. 1968. *Odontologiiia. Metodika antropologicheskikh issledovaniia* [Odontology: Methodology of anthropological research]. Moscow: Nauka.
- Zubov, A.A. 1979. Zakliuchenie [Conclusion]. In *Etnicheskaia odontologiiia SSSR*, 229–251. Moscow: Nauka.
- Zubov, A.A., and Khaldeeva, N.I. 1993. *Odontologiiia v antropofenetike* [Odontology in anthropophenetics]. Moscow: Nauka.