Table 5. Radiocarbon dates from Dudka cemetery (trench VI) and for the grave IX-1 (beyond the cemetery). **Bold** – new results. *Unsure reliability of measurements*. ~~Failed measurements~~. Burial type: **S** – secondary, **Cr**- cremation, **P** – primary, **DP** – disturbed primary. Period: **L.M.** – Late Mesolithic, e. Zed. – early Zedmar, c. Zed – classic Zedmar, p. Zed – post-Zedmar, L.N. – Late Neolithic

Grave/ Structure/ sub-trench	Individual /species (# - bone no)	Material	^{14}C years BP	cal BC (2σ)	C, %	N, %	d13C (‰)	d15N (‰)	C/N	Sample ID	Dated burial	Way of deposition	Period
grave VI-1	A-C?	bone	4690 ±40	3624-3580 (8,8%); 3532-3368 (86,6%)	-	-	-	-	-	Ki-5718	S	in the pit	c. Zed
grave VI-1	-	charcoal	4730 ±40	3632-3550 (38,1%); 3544-3493 (22,2%); 3461-3376 (35,2%)	-	-	-	-	-	Ki-5720	Cr?	pit filling	c. Zed
grave VI-1	VI-1E	burned bone	**4772 ±26**	3636-3519 (95,4%)	-	-	-	-	-	**GrM-29981**	Cr	deposit above grave	c. Zed
grave VI-2	VI-2F	burned bone	**4968 ±26**	3796-3652 (95,4%)	-	-	-	-	-	**GrM-29982**	Cr	deposit above grave	c. Zed
grave VI-3	VI-3A	tooth	**4875±33**	3761-3741(2%); 3713-3627(87,1%); 3560-3534 (6,3%)	16,6	6,1	-11,5	10,8	3,2	**Ua-84051**	P	on a side	c. Zed
grave VI-3	*VI-3A*	*Bone (rib)*	*4540 ±70*	*3509-3429 (7,4%); 3381-3015 (88%)*	-	-	*-18,6*	-	-	*KI-4433*	*PB*	*on a side*	*p.-Zed*
grave VI-4	VI-4F	burned bone	**4699 ±26**	3619-3585(5,5%); 3530-3487(25,1%); 3471-3372 (64,9%)	-	-	-	-	-	**GrM-29983**	Cr	inside the pit	c. Zed
grave VI-6	VI-6A	bone	**5360 ±34**	4328-4284 (18,6%); 4269-4214 (24,2%); 4208-4158 (23,4%)	44,1	15,5	-19,1	11,8	3,3	**AAR-39093**	DP	Sitting, disturbed	e. Zed
grave VI-6	VI-6B	burned bone	**4999 ±26**	3940-3872 (20,9%); 3809-3702 (69,8%); 3677-3657(4,7%)	-	-	-	-	-	**GrM-29984**	Cr	deposit above grave	e. Zed
~~grave VI-6~~	~~VI-6A~~	~~femur?~~	~~3070 ±35~~	-	-	-	-	-	-	~~Poz-13322~~	~~P~~	~~Sitting position~~	-
grave VI-7	VI-7A	Tooth (molar)	**5406 ±34**	344-4227 (84%); 4196-4167 (8,5%); 4095-4068 (3%)	44	15,9	-18,6	13,8	3,2	**AAR-39094**	P	sitting	e. Zed
grave VI-7	VI-7D	cremated bone	**5067 ±27**	3954-3794 (95,4%)	-	-	-	-	-	**GrM-29985**	Cr	deposit above grave	c. Zed
~~grave VI-7~~	~~VI-7A~~	~~Bone~~	~~3670 ±35~~	-	-	-	-	-	-	~~Poz-13323~~	~~P~~	~~Sitting position~~	-
grave VI-8	Dog	Bone	5690 ±25	4603-4453 (95,4%)	-	-	*-17,3*	-	-	KIA-19171	S	In pit, dog burial	e. Zed
grave VI-8	Dog	Lower tooth	**5376 ±34**	4236-4188 (20,8%); 4175-4036 (62,1%); 4026-3988 (12,5%)	16,2	5,9	-17,1	11,3	3,2	**Ua-84052**	S	In pit, dog burial	e. Zed
grave VI-8	VI-8A	burned bone	**5036 ±26**	3950-3765 (93,2%); 3729-3714 (2,3%)	-	-	-	-	-	**GrM-29986**	Cr	deposit above dog burial	c. Zed
grave VI-10	VI-10B	burned bone (tibia)	**5164 ±26**	4046-3945 (95,4%)	-	-	-	-	-	**GrM-29988**	Cr	deposit above grave	e. Zed
~~grave VI-10~~	~~VI-10~~	~~bone~~	~~3045 ±30~~	-	-	-	-	-	-	~~Poz-13324~~	~~S~~	~~In container~~	-
grave VI-12 /h-2?	Bone awl	bone	**4405 ±28**	3283-3278 (0.3%); 3266-3243 (2.7%); 3103-2915 (92.4%)	**42,1**	**14,8**	-23,5	5	3,3	**AAR-39085**	S?	grave good	p.-Zed
~~grave VI-13~~	~~VI-13B?~~	~~bone (ribs?)~~	~~4190 ±90~~	-	-	-	–	–	–	~~*KI-4738*~~	~~P~~	~~sitting~~	~~p.-Zed~~
grave VI-13	VI-13C	tooth	**5129 ±35**	4039-4021 (3,4%); 3991-3903 (50,1%); 3880-3801 (41,9%)	42,1	14,8	-17,1	11,3	3,2	**AAR-39091**	S	on legs of sitting individual	e. Zed
grave VI-13	VI-13D	~~bone (mandible)~~ lower molar	~~*4235 ±39*~~ **4969 ±32**	- 3902-3879 (3,9%); 3801-3649 (91,5%)	~~7,7~~ 16,5	~~2,6~~ 6,0	~~-17,2~~ -15,9	~~10,8~~ 12,3	~~3,5~~ 3,2	~~*Ua-84053*~~ **Ua-85443**	S S	on legs of sitting individual	~~p.-Zed~~ c. Zed
grave VI-13	VI-13G	cremated bone	**4832 ±24**	3651-3620 (46%); 3586-3529 (49,5%)	-	-	-	-	-	**GrM-29989**	Cr	deposit next to the grave	c. Zed
grave VI-14	*VI-14A?*	*bone (rib)*	*4740 ±85* *4870 ±110*	*3699-3687 (0,6%); 3655-3356 (94,8%)* *3946-3828 (10,8%); 3821-3493 (76,5%); 3460-3376 (8,1%)*			*-18,2* *-18,2*	-	-	*KI-4739* *KI-4739*	*P*	*sitting primary*	c. Zed
grave VI-14	VI-14B	bone (mandible)	**5039 ±34**	3952BC-3760 (90.4%); 3740BC-3712 (5.0%)	41,4	14	-17,7	11,8	3,5	**AAR-38627**	S	between legs of sitting ind.	c. Zed
grave VI-14	VI-14C	bone (pars petrosa)	**4989 ±28**	3934-3876 (13%); 3805-3699 (72,9%); 3684-3654 (9,5%)	43,5	14,8	-16,9	11,3	3,4	**AAR-38628**	S	skull only	c. Zed
grave VI-14	VI-14D	cremated bone	**4792 ±26**	3638-3527 (95,4%)	-	-	-	-	-	**GrM-29992**	Cr	deposit above grave	c. Zed
grave VI-15	VI-15A	cremated bone	**5079 ±27**	3959-3797 (95,4%)	-	-	-	-	-	**GrM-29993**	Cr	in pit with secondary burials	c. Zed
~~grave VI-15~~	~~dog~~	~~Bone, rib~~	~~4320 ±70~~	-	-	-	-	-	-	~~Poz-3912~~	~~S~~	~~In one container with ind. A~~	-
grave VI-16	VI-16C/H	cremated femur	**5181 ±26**	4045-3955 (95,4%)	-	-	-	-	-	**GrM-29994**	Cr	inside the pit	e Zed.
~~grave VI-16~~	~~?~~	~~bone~~	~~3590 ±35~~	-	-	-	-	-	-	~~Poz-13325~~	~~S~~	~~In the pit with cremated bones~~	-
grave VI-17	VI-17A	bone, radius	**6622** ±36	5622-5482 (95,4%)	44,3	15,7	-20,4	11,6	3,3	**AAR-39092**	P	on the back	**L.M.**
grave VI-17	VI-17A	bone, ribs?	6645 ±30	5628-5521 (91,2%): 5496-5484 (4,2%)	-	-	-	-	-	Poz-3913	P	on the back	**L.M.**
grave VI-18	VI-18A	bone (pars petrosa)	**3741 ±30**	2278-2254 (5,2%); 2208-2035 (90,2%)	43,4	15,3	-16,9	6,7	3,3	**AAR-38629**	P	on the back	L.N.

grave VI-18	VI-18A	tooth (molar)	**3682 ±32**	2194-2176 (3,5%); 2145-1958 (92%)	*29,3*	10,7	-18,7	-	-	**Ua-84431**	**P**	on the back	L.N.
grave VI-18	VI-18A	bone	3675 ±*40*	2197-2172 (4%); 2147-1944 (91,0%)	-	-	-	-	-	Poz-13323	**P**	on the back	L.N.
grave VI-m-1	Red deer	bone (radius)	**4319 ±30**	3012-2889 (95,4%)	43	15,3	-22,8	5,1	3,3	**AAR-38630**	**S**	pit inventory, grave goods	p. Zed
grave VI-n-2	VI-n-2A	cremated bone	**5300 ±27**	4240-4045 (95,4%)	-	-	-	-	-	**GrM-29995**	**Cr**	inside pit	e. Zed
grave VI-g-1	VI-g-1A	cremated bone	**5107 ±26**	3973-3906 (36,6%); 3879-3802 (58,9%)	-	-	-	-	-	**GrM-29998**	**Cr**	inside pit	c. Zed
grave VI-e-1	VI-e-1B	cremated bone	**5070 ±26**	395-3796 (95,4%)	-	-	-	-	-	**GrM-29996**	**Cr**	Inside pit	c. Zed
grave VI-e-4	VI-e-4C	cremated bone	**5039 ±29**	3951-3764 (92,8%); 3731-3714 (2,7%)	-	-	-	-	-	**GrM-29999**	**Cr**	inside pit	c. Zed
trench VI-I	dagger (#299)	bone	**5383 ±30**	4334-4226 (71,3%); 4198-4166 (15,8%); 4124-4115 (1,4%);	44,6	15,8	-24,2	5,7	3,3	**AAR-38631**	**-**	between pits VI-i-1, VI-i-2	e. Zed.
trench VI-i	C1	cremated bone	**5079 ±26**	3961-3788 (95,4%)	-	-	-	-	-	**GrM-30002**	**Cr**	LHB – deposit, above pits VI-i-1, VI-i-2	c. Zed
pit VI-t-1	red deer	Bone (metacarpal)	**4128 ±33**	2871-2799 (27,4%); 2780-2580 (68,0%)	20,9	7,3	-22,8	4,0	3,3	**Ua-84048**	**-**	pit inventory, deposit	L.N.
pit VI-f/g-2	red deer	Bone (metacarpal)	**4387 ±33**	3258-3254 (0,4%); 3099-2909 (95,1%)	*47,4*	16,9	-22,9	4,8	3,3	**Ua-84425**	**-**	pit inventory, deposit	p. Zed
pit VI-x-1	red deer?	Bone (pelvis)	**4367 ±33**	3092-3053 (10,7%); 3036-2904 (84,8%)	46,4	*16,4*	-23,1	5,4	3,3	**Ua-84424**	**-**	pit inventory, deposit	p. Zed
pit VI-x-1	VI-x-1A	cremated rib	**5128 ±33**	4036-4026 (1,9%); 3989-3909 (51%); 3878-3803 (42,6%)	-	-	-	-	-	**Ua-84434**	**Cr**	accidental pit inventory	e Zed
deposit VIf-37	C5 (#37)	cremated bone	**4784 ±27**	3636-3526 (95,4%)	-	-	-	-	-	**GrM-30001**	**Cr**	LHB – deposit?	c. Zed
grave VI-9?	C9 (#51)	cremated bone	**5271 ±26**	4231-4194 (19,1%); 4170-4038 (62,4%); 4023-3990 (13,9%)	-	-	-	-	-	**GrM-30003**	**Cr**	LHB – deposit?	e. Zed
trench VI-w	C11(#158)	cremated bone	**4999 ±33**	3944-3861 (24,9%); 3815-3698 (63,2%); 3686-3654 (7,3%)	-	-	-	-	-	**AAR-39102**	**Cr**	LHB – deposit?	c. Zed
trench VI-n	C10/C1? (#882)	cremated bone	**5078 ±26**	3958-3890 (34,9%); 3884-3797 (60,6%)	-	-	-	-	-	**GrM-30004**	**Cr**	LHB – deposit?	c. Zed
trench VI-t	C-10 (#908)	cremated bone	**5074 ±34**	3961-3788 (95,4%)	-	-	-	-	-	**Ua-84435**	**Cr**	LHB – deposit?	c. Zed
grave IX-1	IX-1A	bone	3775 ±40	2341-2316 (2,3%); 2310-2118 (81,9%); 2098-2038 (11,2%)	-	-	_	_	_	Ki-5717	**P**	on the back	L.N.