Supporting Materials

Nasal saddles and body mass in Eurasian Teal *Anas crecca*

Table S1. Results of the ANOVA testing for a difference in the quality of fit between a simple model of recapture body mass as a function of the presence/absence of a nasal saddle with site as a random factor (model structure: Recapture body mass ~ Nasal + (1|Capture site)), and a more complex model including the interaction between month of recapture*presence/absence of a nasal saddle with site as a random factor, using a non-linear 3-knots spline model for the month effect (model structure: Recapture body mass ~ Month (3 knots)*Nasal + (1|Capture site)).

	Models	*n* parameters	AIC	Chi-square	d.f.	*P*
Adult females	Simple	4	2100.4			
	Spline	10	2089.0	23.419	6	< 0.001
Juvenile females	Simple	4	3399.8			
	Spline	10	3396.1	15.648	6	0.0158
Adult males	Simple	4	3253.8			
	Spline	10	3253.2	12.614	6	0.0496
Juvenile males	Simple	4	4601.5			
	Spline	10	4600.8	12.609	6	0.0497

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Table S2. Results of the models testing for a difference in mean body mass at ringing between birds saddled or metal-ringed only, with site as a random factor (model structure: Ringing body mass ~ Nasal + (1|Capture site)).

	Fixed effects	**Estimate ± s.e.**	***t*-value**	***P***
Adult females (*n* = 208)	Intercept	317.43 ± 3.90	81.503	< 0.0001
	Nasal saddle	–4.93 ± 5.31	–0.928	0.354
Juvenile females (*n* = 342)	Intercept	302.94 ± 5.44	55.713	< 0.0001
	Nasal saddle	–0.09 ± 4.00	–0.023	0.981
Adult males (*n* = 320)	Intercept	349.96 ± 5.61	62.375	< 0.0001
	Nasal saddle	0.86 ± 4.49	0.191	0.849
Juvenile males (*n* = 462)	Intercept	341.63 ± 5.30	64.476	< 0.0001
	Nasal saddle	–4.63 ± 3.61	–1.285	0.200

Table S3. Results of the models testing for a difference in mean body mass at recapture between birds saddled or only ringed, also including a 3-knots spline effect of recapture month, and the interaction between recapture months and nasal saddle, with site as a random factor (model structure: Recapture body mass ~ Month(3 knots)*Nasal + (1|Capture site)).

	Fixed effects	Estimate ± s.e.	*t*-value	*P*
Adult females	Intercept	285.43 ± 14.06	20.373	< 0.0001
(*n* = 208)	Month knot 1	25.64 ± 14.46	1.773	0.078
	Month knot 2	44.14 ± 32.48	1.359	0.180
	Month knot 3	0.50 ± 11.48	0.044	0.965
	Nasal saddle	–47.72 ± 19.38	–2.463	0.015
	Month knot 1*Nasal saddle	30.57 ± 19.14	1.597	0.112
	Month knot 2*Nasal saddle	52.46 ± 44.78	1.171	0.243
	Month knot 3*Nasal saddle	14.59 ± 15.37	0.949	0.343
Juvenile females	Intercept	267.43 ± 24.85	10.760	< 0.0001
(*n* = 342)	Month knot 1	16.30 ± 18.21	0.895	0.372
	Month knot 2	63.66 ± 52.72	1.208	0.228
	Month knot 3	–12.92 ± 9.83	–1.314	0.190
	Nasal saddle	66.41 ± 54.41	1.221	0.223
	Month knot 1*Nasal saddle	–37.90 ± 37.45	–1.012	0.312
	Month knot 2*Nasal saddle	–173.89 ± 112.69	–1.543	0.124
	Month knot 3*Nasal saddle	–14.48 ± 16.22	–0.892	0.373
Adult males	Intercept	286.14 ± 19.39	14.758	< 0.0001
(*n* = 320)	Month knot 1	23.80 ± 14.86	1.601	0.112
	Month knot 2	123.17 ± 42.29	2.912	0.005
	Month knot 3	–2.47 ± 11.20	–0.220	0.826
	Nasal saddle	6.06 ± 24.13	0.251	0.802
	Month knot 1*Nasal saddle	–3.64 ± 18.59	–0.196	0.845
	Month knot 2*Nasal saddle	–32.17 ± 52.82	–0.609	0.543
	Month knot 3*Nasal saddle	12.54 ± 13.91	0.901	0.368
Juvenile males	Intercept	301.85 ± 15.14	19.942	< 0.0001
(*n* = 462)	Month knot 1	29.16 ± 12.90	2.260	0.024
	Month knot 2	64.84 ± 31.59	2.053	0.041
	Month knot 3	14.16 ± 8.55	1.657	0.098
	Nasal saddle	12.49 ± 20.69	0.604	0.546
	Month knot 1*Nasal saddle	–10.49 ± 16.96	–0.619	0.536
	Month knot 2*Nasal saddle	–61.41 ± 44.55	–1.379	0.169
	Month knot 3*Nasal saddle	–18.17 ± 10.92	–1.664	0.097

Table S4. Results of the models testing for a difference in mean time elapsed from capture to recapture between birds saddled or only ringed, with site as a random factor (model structure: Number of days elapsed ~ Nasal + (1|Capture site)) in juvenile females and adult males. In adult females and juvenile males the lack of variation at some sites prevented the consideration of the random site effect (hence a simpler model structure: Number of days elapsed ~ Nasal).

	Fixed effects	Estimate ± s.e.	*t*-value	*P*
Adult females	Intercept	9.30 ± 1.19	7.805	< 0.0001
(*n* = 201)	Nasal saddle	0.80 ± 1.61	0.499	0.618
Juvenile females	Intercept	9.60 ± 1.02	9.411	< 0.0001
(*n* = 330)	Nasal saddle	0.18 ± 1.23	0.147	0.883
Adult males	Intercept	9.56 ± 1.06	9.041	< 0.0001
(*n* = 311)	Nasal saddle	0.47 ± 1.26	0.372	0.710
Juvenile males	Intercept	9.12 ± 0.73	12.485	< 0.0001
(*n* = 451)	Nasal saddle	–0.44 ± 0.99	–0.448	0.655

Table S5. Results of the models testing for a difference in mean daily body mass change from capture to recapture between birds saddled or only ringed, with site as a random factor (model structure: Daily body mass change ~ Nasal + (1|Capture site)).

	Fixed effects	Estimate ± s.e.	*t*-value	*P*
Adult females	Intercept	–2.72 ± 1.00	–2.728	0.013
(*n* = 201)	Nasal saddle	–1.63 ± 1.30	–1.255	0.211
Juvenile females	Intercept	–2.34 ± 0.56	–4.221	0.007
(*n* = 329)	Nasal saddle	–1.57 ± 0.77	–2.041	0.042
Adult males	Intercept	–3.40 ± 0.73	–4.660	< 0.001
(*n* = 311)	Nasal saddle	–0.93 ± 0.87	–1.070	0.285
Juvenile males	Intercept	–2.30 ± 0.92	–2.493	0.021
(*n* = 450)	Nasal saddle	–1.30 ± 0.85	–1.535	0.125

Table S6. Results of the models testing for a difference in overall body mass change from capture to recapture between birds saddled or only ringed, also including the interaction between time elapsed from capture to recapture and nasal saddle, with site as a random factor (model structure: Overall body mass change ~ Number of days elapsed*Nasal + (1|Capture site)).

	Fixed effects	Estimate ± s.e.	*t*-value	*P*
Adult females (*n* = 201)	Intercept	–11.95 ± 4.63	–2.584	0.018
	Days elapsed	0.17 ± 0.29	0.579	0.563
	Nasal saddle	–13.60 ± 4.43	–3.071	0.002
	Days elapsed*Nasal saddle	–0.35 ± 0.39	–0.893	0.373
Juvenile females (*n* = 330)	Intercept	–5.70 ± 3.80	–1.499	0.162
	Days elapsed	0.44 ± 0.19	2.326	0.021
	Nasal saddle	–13.97 ± 3.22	–4.333	< 0.0001
	Days elapsed*Nasal saddle	–0.14 ± 0.29	–0.462	0.645
Adult males (*n* = 311)	Intercept	–10.82 ± 2.92	–3.700	0.006
	Days elapsed	0.24 ± 0.24	1.002	0.317
	Nasal saddle	–8.50 ± 3.40	–2.504	0.013
	Days elapsed*Nasal saddle	–0.23 ± 0.31	–0.721	0.471
Juvenile males (*n* = 451)	Intercept	–8.04 ± 3.48	–2.309	0.034
	Days elapsed	0.18 ± 0.21	0.890	0.374
	Nasal saddle	–8.32 ± 2.93	–2.840	0.005
	Days elapsed*Nasal saddle	–0.02 ± 0.28	–0.057	0.954