Table S1 Sensitivity analysis for the data before and after interpolation

Variables	After interpolation (n=1,035)	Before interpolation (n=1,030)	Statistics	P
G6PD ratio	1.76±0.55	1.75±0.54	$t=0.41$	0.684
Blood type			$\chi^2=0.006$	>0.99
A	335 (32.37)	333 (32.33)		
AB	56 (5.41)	55 (5.34)		
B	279 (26.96)	278 (26.99)		
O	365 (35.27)	364 (35.34)		

Data are presented as mean ± SD or n (%). G6PD, glucose 6-phosphate dehydrogenase; SD, standard deviation.

Table S2 Characteristics of the infants between the training and testing sets

Variables	Total (n=1,035)	Testing set (n=414)	Training set (n=621)	Statistics	P
Gender				$\chi^2=3.494$	0.062
Male	586 (56.62)	249 (60.14)	337 (54.27)		
Female	449 (43.38)	165 (39.86)	284 (45.73)		
GA (weeks)	37.90±1.45	37.88±1.48	37.92±1.43	$t=-0.38$	0.706
Birth length (cm)	49.58±2.60	49.43±2.77	49.67±2.48	$t=-1.42$	0.155
Birth weight (g)	3,022.74±525.95	3,022.07±533.79	3,023.18±521.09	$t=-0.03$	0.973
Delivery mode				$\chi^2=0.168$	0.682
Vaginal delivery	587 (56.71)	238 (57.49)	349 (56.20)		
Caesarean section	448 (43.29)	176 (42.51)	272 (43.80)		
Delivery				$\chi^2=0.971$	0.325
Single	976 (94.30)	394 (95.17)	582 (93.72)		
Multiple	59 (5.70)	20 (4.83)	39 (6.28)		
Blood type				$\chi^2=2.151$	0.542
A	335 (32.37)	141 (34.06)	194 (31.24)		
AB	56 (5.41)	18 (4.35)	38 (6.12)		
B	279 (26.96)	109 (26.33)	170 (27.38)		
O	365 (35.27)	146 (35.27)	219 (35.27)		
DAT				$\chi^2=0.113$	0.737
Negative	897 (86.67)	357 (86.23)	540 (86.96)		
Positive	138 (13.33)	57 (13.77)	81 (13.04)		
G6PD ratio	1.76±0.55	1.73±0.54	1.78±0.56	$t=-1.43$	0.153

Table S2 (*continued*)

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Variables	Total (n=1,035)	Testing set (n=414)	Training set (n=621)	Statistics	P
Hemolysis				χ^2=3.033	0.387
Homologous immune hemolysis	101 (9.76)	43 (10.39)	58 (9.34)		
G6PD deficiency	88 (8.50)	42 (10.14)	46 (7.41)		
None	826 (79.81)	322 (77.78)	504 (81.16)		
Homologous immune hemolysis with G6PD deficiency	20 (1.93)	7 (1.69)	13 (2.09)		
Age at the onset of icterus (days)	2.00 (2.00, 3.00)	2.00 (1.00, 3.00)	2.00 (2.00, 3.00)	Z=−0.121	0.904
Age at the beginning of phototherapy (days)	3.00 (2.00, 5.00)	3.00 (2.00, 5.00)	3.00 (2.00, 5.00)	Z=−0.918	0.359
TSB levels when phototherapy started (mg/dL)	310.12±74.29	310.70±73.29	309.74±75.01	t=0.20	0.839
ΔTSB[†]	−3.81 (−6.67, −1.26)	−3.95 (−6.69, −1.26)	−3.72 (−6.62, −1.35)	Z=−0.271	0.787
Age at phototherapy termination (days)	8.00 (7.00, 11.00)	8.00 (7.00, 11.00)	8.00 (7.00, 11.00)	Z=0.764	0.445
TSB levels at phototherapy termination (mg/dL)	141.25±45.53	140.56±44.84	141.71±46.02	t=−0.40	0.690
ΔTSB[‡]	8.66 (6.67, 10.50)	8.80 (6.74, 10.56)	8.51 (6.67, 10.44)	Z=0.616	0.538
Phototherapy strength				χ^2=3.752	0.153
Standard phototherapy	923 (89.18)	366 (88.41)	557 (89.69)		
Intense phototherapy	11 (1.06)	2 (0.48)	9 (1.45)		
Intense phototherapy followed by standard phototherapy	101 (9.76)	46 (11.11)	55 (8.86)		
Irradiation time (hours)					
Standard phototherapy	5.00 (3.00, 6.00)	5.00 (4.00, 7.00)	5.00 (3.00, 6.00)	Z=1.507	0.132
Intense phototherapy	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	Z=0.603	0.546
Feeding patterns during phototherapy				χ^2=4.573	0.102
Exclusive breastfeeding	497 (48.02)	191 (46.14)	306 (49.28)		
1–3 times/day formula feedings	155 (14.98)	74 (17.87)	81 (13.04)		
>3 times/day formula feedings	383 (37.00)	149 (35.99)	234 (37.68)		

Data are presented as n (%), mean ± SD, or M (Q1, Q3). [†], differences between TSB level when phototherapy started and phototherapy threshold; [‡], differences between TSB levels at phototherapy termination and phototherapy threshold. GA, gestational age; DAT, direct antiglobulin test; G6PD, glucose 6-phosphate dehydrogenase; TSB, total serum bilirubin; SD, standard deviation; M, median; Q1, 1st quantile; Q3, 3rd quantile.