Table (1): Comparison among the three studied groups regarding demographic and baseline data.

Variable	Group (I) Phototherapy alone (n=25)	Group (II) Phototherapy & Zinc (n=25)	Group (III) Phototherapy & Agar (n=25)	P. value
Sex (Male/Female)	12/13	13/12	13/12	0.95^{NS}
Gestational age (week)	37.5 ± 1.2	38.0 ± 1.2	37.6 ± 1.1	0.28^{NS}
Neonatal age (day)	3.3 ± 0.48	3.5 ± 0.51	3.5 ± 0.51	0.33^{NS}
Birth weight (gm)	2852 ± 177	2934 ± 202	2884 ± 246	0.39^{NS}
Mother age (year)	29.3 ± 6.2	28.0 ± 4.0	29.5 ± 5.9	0.58^{NS}
Parity (Prime/Multi)	11/14	8/17	11/14	0.61^{NS}
Mode of delivery (CS/NVD)	16/9	16/9	16/9	1.0^{NS}
Length (cm)	45.0 ± 3.8	46.8 ± 2.7	45.7 ± 3.4	0.16^{NS}
Head circumference (cm)	33.7 ± 0.48	33.8 ± 0.46	33.9 ± 0.33	0.26^{NS}
WBCs (10^9/L)	11.16 ± 2.37	11.02 ± 2.45	11.26 ± 2.36	0.94^{NS}
Hb (%)	16.28 ± 2.28	15.45 ± 3.04	15.36 ± 2.46	0.40^{NS}
HCT (%)	46.1 ± 4.66	46.5 ± 5.30	48.9 ± 4.46	0.09^{NS}
Platelets (10^9/L)	251 ± 83.81	248.9 ± 62.90	282.3 ± 97.80	0.54^{NS}

Quantitative data were presented as mean ± SD. Qualitative data were presented as No. (%).
ANOVA and Chi-square test were used to compare among groups.
NS Not significant.

Table (2): Comparison among the three groups and different periods as regards total serum bilirubin.

Total serum bilirubin (mg/dL)		Group (I) Phototherapy alone (n=25)	Group (II) Phototherapy & Zinc (n=25)	Group (III) Phototherapy & Agar (n=25)	P. value
At admission		17.1 ± 0.92	16.84 ± 0.83	17.01 ± 1.12	0.63^{NS}
After 24 hrs.		$15.5^{a\#}$ ± 1.67	$13.4^{b\#}$ ± 1.11	$13.9^{b\#}$ ± 1.85	<0.01**
After 48 hrs.		$12.0^{a\#}$ ± 1.81	$10.7^{b\#}$ ± 1.17	$10.2^{b\#}$ ± 2.37	<0.01**
After 72 hrs.	**No. of cases**	(n = 11)	(n = 15)	(n = 3)	
	Mean ± SD	$9.27^{ab\#}$ ± 2.15	$8.87^{b\#}$ ± 0.64	$11.33^{a\#}$ ± 2.08	0.04^{*}
After 84 hrs.	**No. of cases**	(n = 5)	(n = 1#)	(n = 2)	
	Mean ± SD	$8.20^{\#}$ ± 0.45	7.0	$8.50^{\#}$ ± 0.71	0.51^{NS}

ANOVA test was used to compare among groups and Paired T-test was used to compare between different periods compared to at admission value. *Significant (p<0.05).
**Significant (p<0.01).
a, b Means with different superscript letters in the same raw are significantly different (Post Hoc- Tukey test).
significant difference as compared to (on admission) value

Table (3): Comparison among the three groups regarding outcome.

Variable		Group (I) Phototherapy alone (n=25)	Group (II) Phototherapy & Zinc (n=25)	Group (III) Phototherapy & Agar (n=25)	P. value
Hospital stays duration (hrs.)		58.6[a] ± 13.0	51.9[b] ± 10.8	60.2[a] ± 11.2	**0.03***
Feeding status	**Breastfeeding**	14 (56.0%)	13 (52.0%)	10 (40.0%)	0.50[NS]
	Bottle	11 (44.0%)	12 (48.0%)	15 (60.0%)	
Complications	**Non-complicated**	22 (88.0%)	23 (92.0%)	23 (92.0%)	0.91[NS]
	Complicated	3 (12.0%)	2 (8.0%)	2 (8.0%)	

* Significant ($p<0.05$).