

Table 1 Descriptive statistics of the variable included in study

Variable	Mean	Std. Deviation
Age (mean) (years)	53.85	11.54
Gender (%)	914	47.8*
Length of stay (days)	6.43	2.31
Overall cost of the treatment (\$)	309.33 ^a	78.64 ^a
Cost of medical supplies and equipment's (\$)	21.37 ^a	3.77 ^a
Cost of diagnostic tests (\$)	14.85 ^a	2.63 ^a
Cost of the drug ((\$)	13.54 ^a	7.00 ^a
Cholesterol level of the patients (mg/dL)	251.86	30.75
HDL (mg/dL)	31.11	8.89
LDL (mg/dL)	176.27	25.36
Triglyceride (mg/dL)	219.55	44.82
VLDL (mg/dL)	42.43	5.26
Creatinine (mg/dL)	2.79	0.90
BP Systolic (mmHg)	195.03	10.15
BP Diastolic (mmHg)	100.33	8.84
Fasting blood sugar (mg/dL)	272.89	12.15
Random blood sugar (mg/dL)	315.89	14.13
HbA _{1c} measurement (%)	7.91*	1.01
Type of cooking oil used by patients		
Soybean oil	345 [#]	18.03*
Corn oil	32 [#]	1.67*
Mustard oil	517 [#]	27.01*
Olive oil	147 [#]	7.68*
Coconut oil	46 [#]	2.40*
Butter, Ghee- clarified butter	525 [#]	27.43*
Groundnut oil	48 [#]	2.51*
Sunflower oil	226 [#]	11.81*
Rice bran oil	28 [#]	1.46*
Physical activity status		
Low: 15-30 minutes/ day	729 [#]	38.09*
Moderate: 30 minutes to 1 hour/ day	969 [#]	50.63*
High: 1-2-hour/ day	216 [#]	11.29*

*HDL: high-density lipoproteins, LDL: low-density lipoproteins, TG: Triglycerides, VLDL: very-low-density lipoproteins, BPS: blood pressure systolic, BPD: blood pressure diastolic, FBS: fasting bold sugar, RBG: random bold sugar, INR: Indian rupees, US\$: United States dollar. *Percentage, ^a- (US\$), [#] - Frequency*

Table 2 Type of cooking oil: Dependent variable: Length of stay in days and overall cost of the treatment per day

Variable		Length of stay in days			Overall cost (\$) of the treatment per day		
Type of cooking oil used by patients	Physical activity status	Mean	Std. Deviation	N	Mean \$	Std. Deviation	N
Soybean oil	Low	7.00	1.51	14	48.19	8.06	14
	Moderate	6.39	1.87	321	53.67	16.79	321
	High	4.80	2.70	10	85.60	35.47	10
	Total	6.37	1.90	345	54.37	18.11	345
Corn oil	Low	7.08	1.31	12	42.11	4.20	12
	Moderate	6.65	1.49	17	45.99	6.63	17
	High	5.67	2.51	3	57.26	27.54	3
	Total	6.72	1.52	32	45.59	9.79	32
Mustard oil	Low	5.00	1.32	9	52.97	11.29	9
	Moderate	5.14	1.75	451	63.86	50.93	451
	High	5.16	2.24	57	67.88	30.67	57
	Total	5.14	1.80	517	64.12	48.68	517
Olive oil	Low	4.90	1.59	10	72.18	16.75	10
	Moderate	4.00	1.15	7	69.21	25.09	7
	High	3.49	1.87	130	84.18	50.86	130
	Total	3.99	1.82	147	82.65	48.44	147
Coconut oil	Low	7.32	2.55	44	50.22	28.15	44
	Moderate	8.00	0.01	2	37.70	0.61	2
	Total	7.35	2.49	46	49.68	27.64	46
Butter, Ghee-clarified butter	Low	7.82	1.77	495	42.51	11.23	495
	Moderate	7.47	1.89	19	46.80	23.90	19
	High	7.55	1.03	11	43.02	6.90	11
	Total	7.80	1.77	525	42.67	11.83	525
Groundnut oil	Moderate	6.40	2.28	47	71.40	79.77	47
	High	4.00	.	1	76.45	-	1
	Total	6.35	2.28	48	71.51	78.92	48
Sunflower oil	Low	7.47	2.62	118	45.31	26.69	118
	Moderate	7.04	1.76	104	49.34	36.91	104
	High	8.75	2.06	4	36.06	4.29	4
	Total	7.30	2.26	226	47.00	31.63	226
Rice bran oil	Low	9.63	2.43	27	36.42	3.90	27
	Moderate	9.00	.	1	39.46	-	1
	Total	9.61	2.39	28	36.52	3.87	28
Total	Low	7.68	2.10	729	43.84	16.50	729
	Moderate	5.89	1.97	969	58.60	42.52	969
	High	4.63	2.23	216	76.55	44.85	216
	Total	6.43	2.30	1914	55.00	36.75	1914

Table 3 Tests of between-subject's effects: Dependent variable: Overall cost of the treatment per day

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1525210956.6 ^a	10	152521095.6	23.45	.001
Intercept	8499816936.6	1	8499816936.6	1306.86	.001
OIL	429584313.0	8	53698039.1	8.25	.001
PHYACT	37655690.9	2	18827845.4	2.89	.026
Error	12377102182.5	1903	6503994.8		
Total	45058620816.4	1914			
Corrected Total	13902313139.1	1913			

a. R Squared = .110 (Adjusted R Squared = .105) Cost in INR

Table 4 Parameter estimates: Dependent variable: Length of stay in days and over all cost of treatment INR (USD)

Parameter	Length of stay in days			Over all cost of treatment INR (USD)		
	B	t	Sig.	B	t	Sig.
Intercept	9.21	21.4	.001	3422.9 (\$46.67)	5.96	.001
[OIL= Soybean oil]	-2.95	-7.2	.001	1064.3 (\$14.51)	1.95	.030
[OIL=Corn oil]	-2.70	-5.3	.001	471.0 (\$6.42)	.70	.484
[OIL=Mustard oil]	-4.17	-10.3	.001	1732.5 (\$23.62)	3.21	.001
[OIL= Olive oil]	-5.26	-11.7	.001	2714.6 (\$37.01)	4.55	.001
[OIL=Coconut oil]	-2.25	-4.9	.001	963.0 (\$13.13)	1.57	.115
[OIL=Butter, Ghee]	-1.79	-4.8	.001	435.1 (\$5.93)	.88	.379
[OIL=Groundnut oil]	-2.96	-6.1	.001	2315.3 (\$31.57)	3.58	.001
[OIL= Sunflower oil]	-2.17	-5.5	.001	649.4 (\$8.85)	1.24	.213
[OIL=Rice bran oil]	0 ^a	.	.	0 ^a	.	.
[PHYACT=Low]	0.39	1.6	.026	-752.8 (-\$10.26)	-2.38	.017
[PHYACT=Moderate]	0.09	0.42	.030	-503.8 (-\$6.87)	-1.86	.026
[PHYACT=High]	0 ^a	.	.	0 ^a	.	.

Table 5 Blood glucose profile, hypertensive profile and lipid profile of the patients during admission with type of cooking oil

Type of oil	FBS	RBS	SBP	DBP	CHO	HDL	VLDL	HbA ₁ C
	mg/dL	mg/dL	mmHg	mmHg	mg/dL	mg/dL	mg/dL	%
Soybean oil	266.5	350.1	198	100	260.2	29.2	42.5	7.8
Corn oil	269.6	328.1	195	105	257.1	28.1	42.6	7.6
Mustard oil	272.25	322.15	210	105	255.3	26.3	43.2	7.9
Olive oil	232.5	270.1	170	90	230.2	36.2	38.2	6.7
Coconut oil	285.5	318.05	199	105	264.2	32.5	48.6	8.1
Butter, Ghee-clarified butter	252.25	290.26	194	100	261.1	31.5	42.3	8.4
Groundnut oil	289.5	324.25	198	95	244.2	32.2	40.3	8.6
Sunflower oil	292.2	318.12	201	100	248.6	33.2	40.2	8.2
Rice bran oil	296.2	321.2	193	100	257.2	31.2	43.2	7.9
Mean	272.9	315.9	195.0	100.3	251.8	31.1	42.4	7.9

HDL: high-density lipoproteins, LDL: low-density lipoproteins, TG: Triglycerides, VLDL: very-low-density lipoproteins, BPS: blood pressure systolic, BPD: blood pressure diastolic, FBS: fasting bold sugar, RBG: random bold sugar