

Supplementary Table S1. Demographic and clinical characteristics of patients

	All patients (n: 80)	Group 1 (vit D: <20) (n: 41)		Group 1 (vit D: <20) (n: 41)		p
	Mean ± SD	Mean ± SD		Mean ± SD		
Age (years)	56.59 ± 11.243	55.244 ± 11.056		58.231 ± 11.31		.248
BMI (kg/m²)	30.051 ± 6.429	30.329 ± 5.136		29.766 ± 7.591		.159
Duration of DM (years)	9.278 ± 7.457	8.467 ± 8.047		10.109 ± 6.803		.122
		Group1 (vit D: <20)		Group2 (vit D: ≥ 20)		p
		N	%	N	%	
Gender	Female	29	54.7%	24	45.3%	0.385
	Male	12	44.4%	15	55.6%	
HT	No	18	51.4%	17	48.6%	0.978
	Yes	23	51.1%	22	48.9%	
HL	No	28	56.0%	22	44.0%	0.273
	Yes	13	43.3%	17	56.7%	
CIHD	No	35	55.6%	28	44.4%	0.138
	Yes	6	35.3%	11	64.7%	
COPD	No	36	50.0%	36	50.0%	0.713
	Yes	5	62.5%	3	37.5%	

Mann Whitney U
Abbreviations: BMI: body mass index; SD: standard deviation; vit D: vitamin D Ki Kare
Abbreviations: HT: Hypertension. HL: Hyperlipidemia. CIHD: Chronic Ischemic Heart Disease. COPD: Chronic Obstructive Pulmonary Disease

Supplementary Table S2. Laboratory values at visits 1, and 2

	Visit 1			Visit 2		
	Group 1 mean ± SD (median)	Group 2 mean ± SD (median)	p	Group 1 mean ± SD (median)	Group 2 mean ± SD (median)	p
VitD ng/mL	13.09 ± 4.11 (11)	32.88 ± 10.45 (31.5)	0	13.5 ± 4.4 (15)	27 ± 4.5 (27)	0.00
FPGng/mL	146.45 ± 29.76 (155)	135.38 ± 42.53 (112)	0.315	158 ± 36.8 (150)	126.6 ± 39.1 (119)	0.239
HbA1c %	8.1 ± 1.62 (8)	6.88 ± 1.56 (6.35)	0.038	8.3 ± 2.4 (154)	6.8 ± 1.3 (7)	0.045
T.Chol mg/dL	194.45 ± 55.93 (194)	180.88 ± 39.17 (177.5)	0.332	222.3 ± 39.7 (230)	198.7 ± 39.4 (203)	0.193
LDL-C mg/dL	116.91 ± 47.44 (106)	103.1 ± 32.96 (91.8)	0.415	135.2 ± 33.2 (141)	118.7 ± 32.6 (121)	0.029
HDL-C mg/dL	48.27 ± 11.92 (46)	54.25 ± 16.92 (52.5)	0.049	55.8 ± 13.1 (52)	52.7 ± 10.3 (53)	0.911
Trg mg/dL	173.45±100.33 (106)	129.88 ± 68.76 (115.5)	0.521	219.6 ± 130.6 (188)	137.1 ± 39.4 (128)	0.002
WBC	6.41 ± 2.39 (5.72)	8.23 ± 2.29 (7.75)	0.628	7 ± 1.4 (6.9)	7.4 ± 1.5 (7.3)	0.951
Hgb g/dL	11.99 ± 1.88 (12.2)	12.88 ± 1.31 (12.95)	0.269	13.3 ± 1.6 (13.6)	13.6 ± 1.9 (13.7)	0.228
Plt 109/L	246.82 ± 75.07 (270)	285.63 ± 61.09 (280.5)	0.103	281 ± 68.6 (296)	257.4 ± 88.1 (241)	0.794
Sedim mm/hr	23.55 ± 14.17 (22)	18 ± 12.31 (13.5)	0.207	13.8 ± 6.8 (13)	11.5 ± 6.9 (12)	0.476
CRP mg/L	10.67 ± 9.1 (8.5)	4.3 ± 2.78 (3.31)	0.049	5.1 ± 5.2 (3.4)	2.2 ± 1.8 (1.4)	0.002
Ferritin ng/mL	35.57 ± 42.13 (22)	27 ± 24.31 (15)	0.727	40 ± 41.7 (21)	36.7 ± 33 (17)	0.376
İnsulin				7,2 ± 4,1 (6)	8,9 ± 3,1 (8.3)	0.229
Homa-β				31,9 ± 21,1 (25)	64,5 ± 37,8 (50.1)	0.001

Note: Mann- Whitney U test was used for statistical comparisons
VitD: vitamin D. FPG: Fasting Plasma Glucose. HbA1c: Hemoglobin A1c. T.chol: Total cholesterol. LDL-C: Low-Density Lipoprotein Cholesterol. HDL-C: High-Density Lipoprotein Cholesterol. Trg: triglyceride. WBC: White Blood Cell. Hgb: hemoglobin. Plt: platelet. Sedim: sedimentation rate. CRP: C-reactive protein

Supplementary Table S3. Correlation between vitamin D and metabolic and inflammatory parameters

		Vizit 1								
		HBA1C	FPG	T.chol	LDL-C	HDL-C	Trg	Sedim	CRP	Ferritin
VitD	Correlation Coeficient	-.240*	-0.14	0.113	-0.099	.236*	-0.155	-0.133	-.251*	-0.26
	p	0.043	0.223	0.323	0.426	0.037	0.185	0.446	0.045	0.06
	N	71	77	78	67	78	75	35	65	53
		Vizit 2								
		Homa-β	HbA1c	T.chol	LDL-C	HDL-C	Trg	Sedim	CRP	Ferritin
VitD	Correlation Coeficient	.397**	-.182	-.126	-.274*	.096	-.416**	-.178	-.264*	-.409**
	p	0.01	0.095	0.236	0.017	0.369	0.000	0.143	0.021	0.000
	N	67	85	90	76	89	85	69	76	77