Supplementary Table S1. Medication history for diabetes patients

MI (n=8)		MID (n=9)	
Medication	**n**	**Medication**	**n**
Insulin	2	Insulin	3
Metformin	1	Metformin	3
Metformin+Sitagliptin	3	Metformin+Sitagliptin	1
None	2	None	2

MI: myocardial infarction; MID: myocardial infarction with depression

Supplementary Table S2. The correlation between inflammatory parameters and the scores of depression, anxiety, perceived stress, disability, Gensini score in patients with MI and MID

	MI								MID							
	NLRP3		**IL-1β**		**IL-18**		***hs*CRP**		**NLRP3**		**IL-1β**		**IL-18**		***hs*CRP**	
Variables	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**
HDRS	-0,241	0,115	-0,072	0,641	-0,019	0,902	-0,041	0,792	0,251	0,237	-0,048	0,822	0,120	0,577	-0,225	0,291
BDI	-0,061	0,696	-0,033	0,834	-0,068	0,663	-0,052	0,735	0,200	0,348	-0,163	0,447	0,162	0,450	-0,133	0,534
Sheehan	0,013	0,933	-0,151	0,328	0,131	0,397	-0,079	0,608	-0,340	0,104	-0,222	0,298	-0,023	0,914	-0,132	0,537
PSS	0,229	0,135	0,267	0,080	-0,031	0,842	0,125	0,417	-0,123	0,568	-0,204	0,340	0,297	0,159	0,028	0,897
Gensini	-0,188	0,222	0,014	0,926	-0,139	0,367	-0,292	0,055	-0,066	0,759	0,080	0,711	0,074	0,732	-0,261	0,218

Spearman correlation test. HDRS: Hamilton Depression Rating Scale; BDI: Beck Depression Inventory; SDS: Sheehan Disability Scale; PSS: Perceived Stress Scale

Supplementary Table S3. The correlation between inflammatory parameters and the scores of depression, anxiety, perceived stress, disability, Gensini score in patients with MI and MID **(Type 2 Diabetes was excluded for the analysis)**

	MI								MID							
	NLRP3		**IL-1β**		**IL-18**		***hs*CRP**		**NLRP3**		**IL-1β**		**IL-18**		***hs*CRP**	
Variables	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**	**r**	**p**
HDRS	-0,192	0,261	-0,011	0,951	0,013	0,942	0,019	0,913	0,225	0,421	0,276	0,319	0,163	0,561	-0,174	0,535
BDI	-0,034	0,843	-0,003	0,985	-0,023	0,892	0,013	0,939	0,253	0,364	0,070	0,804	0,138	0,624	-0,246	0,378
Sheehan	0,031	0,859	-0,214	0,209	0,070	0,685	-0,131	0,445	-0,247	0,375	-0,203	0,468	-0,153	0,586	-0,162	0,564
PSS	0,218	0,203	0,251	0,140	-0,036	0,834	0,090	0,603	-0,149	0,597	-0,499	0,058	0,197	0,481	0,032	0,909
Gensini	-0,198	0,247	0,048	0,780	-0,085	0,623	-0,268	0,114	-0,129	0,648	0,142	0,612	0,073	0,795	-0,021	0,940

Spearman correlation test. HDRS: Hamilton Depression Rating Scale; BDI: Beck Depression Inventory; SDS: Sheehan Disability Scale; PSS: Perceived Stress Scale

Supplementary Table S4. The comparison of inflammatory parameters in the presence of Type 2 diabetes

	MI			**MID**		
	No (n:36)	**Yes (n:8)**	**p**	**No (n:15)**	**Yes (n:9)**	**p**
NLRP3	0.96 (0.11-4.68)	0.91 (0.06-3)	0.643	2.5 (0.46-5.6)	1 (0.34-4.11)	0.174
IL-1β	13.98 (4.89-20.3)	13.98 (5.29-16.74)	0.637	14.57 (3.31-20.49)	13.78 (8.65-18.13)	0.446
IL-18	298.37 (131.3-586.48)	267.59 (124.51-352.05)	0.234	299.51 (142.62-669.79)	185.72 (149.42-326.91)	**0.035**
***hs*-CRP**	21.24 (0.64-83.97)	12.62 (6.34-18.89)	0.092	35.45 (10.72-229.5)	11.05 (2.87-49.49)	**0.021**

Note: Findings were shown with median (min-max). NLRP3: NOD-like receptor protein 3; hsCRP: high sensitivity C-reactive protein; MI: myocardial infarction; MID: myocardial infarction with depression