

Table S1 Basal layer-speckle strain parameters in study groups

	A (n=69)	A1 (n=37)	A2 (n=32)	B (n=30)	P1	P2	P3	P4
Basal-GLSglobal								
Anterior	-15.81±5.60	-16.54±6.38	-14.97±4.49	-17.77±2.34	0.069	0.305	0.025	0.182
Anteroseptal	-15.84±3.34	-16.35±3.66	-15.25±2.87	-17.03±2.67	0.037	0.221	0.012	0.149
Septal	-16.51±3.15	-16.70±3.20	-16.28±3.12	-18.83±2.32	0.000	0.004	0.001	0.553
Inferior	-19.45±4.34	-20.54±4.32	-18.19±4.07	-22.37±2.86	0.000	0.056	0.000	0.013
Posterior	-18.17±3.57	-19.03±2.79	-17.19±4.13	-20.67±2.99	0.001	0.048	0.000	0.025
Lateral	-16.09±4.22	-17.05±4.38	-14.97±3.79	-17.90±3.07	0.019	0.371	0.003	0.026
Basal-GLSendo								
Anterior	-17.35±4.08	-18.90±2.44	-18.51±3.15	-18.90±2.44	0.056	0.657	0.002	0.004
Anteroseptal	-16.59±3.60	-17.35±3.81	-15.72±3.19	-17.83±3.06	0.104	0.565	0.016	0.049
Septal	-16.59±3.17	-16.89±3.31	-16.25±3.03	-19.03±2.59	0.000	0.005	0.000	0.380
Inferior	-19.62±4.79	-20.92±5.18	-18.13±3.84	-23.00±3.46	0.001	0.052	0.000	0.008
Posterior	-18.88±3.96	-20.05±3.64	-17.53±3.94	-21.67±3.62	0.001	0.082	0.000	0.006
Lateral	-17.17±4.23	-18.27±4.38	-15.91±3.72	-19.33±3.47	0.016	0.271	0.001	0.014
Basal-GLSepi								
Anterior	-15.80±4.08	-16.78±2.96	-14.66±4.88	-16.97±2.46	0.082	0.836	0.013	0.016
Anteroseptal	-15.29±3.06	-15.76±3.41	14.75±2.55	-17.30±1.89	0.000	0.024	0.000	0.132
Septal	-16.00±2.83	-16.49±2.80	-15.44±2.81	-18.57±2.10	0.000	0.002	0.000	0.099
Inferior	-19.16±3.93	-20.05±3.66	-18.13±4.03	-21.83±2.69	0.000	0.043	0.000	0.026
Posterior	-17.61±3.20	-18.43±2.72	-16.66±3.48	-19.77±2.91	0.002	0.077	0.000	0.017
Lateral	-15.13±4.30	-16.14±4.45	-13.97±3.88	-16.57±3.17	0.104	0.655	0.010	0.024

P1: Significantly different ($P<0.05$) compared with the groups A and B. P2: Significantly different ($P<0.05$) compared with the groups A1 and B. P3: Significantly different ($P<0.05$) compared with the groups A2 and B. P4: Significantly different ($P<0.05$) compared with the groups A1 and A2. GLSglobal: Global Longitudinal Strain; GLSendo: Global Endocardial Longitudinal Strain; GLSepi: Global Epicardial Longitudinal Strain.

Table S2 Middle layer-speckle strain parameters in study groups

	A (n=69)	A1 (n=37)	A2 (n=32)	B (n=30)	P1	P2	P3	P4
Mid-GLSglobal								
Anterior	-17.88±3.70	-18.81±3.02	-16.81±4.15	-18.80±2.55	0.220	0.989	0.020	0.014
Anteroseptal	-19.54±3.61	-20.16±4.00	-18.81±3.01	-20.97±3.17	0.064	0.346	0.016	0.109
Septal	-19.39±3.16	-19.70±2.90	-19.03±3.45	-21.40±2.74	0.003	0.025	0.003	0.363
Inferior	-21.06±4.01	-21.95±4.03	-20.03±3.79	-23.83±3.29	0.001	0.043	0.000	0.037
Posterior	-19.20±2.84	-19.65±2.90	-18.69±2.73	-21.73±3.12	0.000	0.004	0.000	0.175
Lateral	-17.55±3.75	-18.41±3.50	-16.56±3.84	-19.73±2.96	0.006	0.122	0.000	0.030
Mid-GLSendo								
Anterior	-19.46±3.90	-20.73±2.99	-18.00±4.34	-21.27±3.30	0.029	0.541	0.000	0.002
Anteroseptal	-22.01±3.90	-23.24±3.80	-20.59±3.57	-24.17±3.80	0.013	0.316	0.000	0.004
Septal	-20.59±3.44	-21.00±3.28	-20.13±3.61	-22.60±2.91	0.006	0.050	0.004	0.273
Inferior	-22.32±4.35	-23.27±4.51	-21.22±3.96	-25.77±4.01	0.000	0.017	0.000	0.045
Posterior	-21.12±3.53	-21.65±3.86	-20.50±3.04	-24.30±3.48	0.000	0.003	0.000	0.177
Lateral	-20.12±4.14	-21.14±3.60	-18.94±4.46	-21.97±3.58	0.036	0.387	0.003	0.021
Mid-GLSepi								
Anterior	-16.39±3.47	-17.00±2.46	-15.69±4.29	-17.20±1.92	0.141	0.790	0.054	0.078
Anteroseptal	-17.03±3.48	-17.49±3.78	-16.50±3.08	-18.73±2.82	0.020	0.126	0.009	0.217
Septal	-17.48±5.11	-18.22±2.63	-16.63±6.91	-20.27±2.70	0.006	0.067	0.002	0.146
Inferior	-19.62±3.64	-20.46±3.72	-18.66±3.36	-22.13±3.46	0.002	0.056	0.000	0.037
Posterior	-17.20±2.61	-17.57±2.67	-16.78±2.51	-19.40±2.66	0.000	0.005	0.000	0.216
Lateral	-15.19±3.66	-15.89±3.62	-14.38±3.58	-17.03±2.95	0.010	0.177	0.003	0.069

P1: Significantly different ($P<0.05$) compared with the groups A and B. P2: Significantly different ($P<0.05$) compared with the group A1 and B. P3: Significantly different ($P<0.05$) compared with the groups A2 and B. P4: Significantly different ($P<0.05$) compared with the groups A1 and A2. GLSglobal: Global Longitudinal Strain; GLSendo: Global Endocardial Longitudinal Strain; GLSepi: Global Epicardial Longitudinal Strain.

Table S3 Apical layer-speckle strain parameters in study groups

	A (n=69)	A1 (n=37)	A2 (n=32)	B (n=30)	P1	P2	P3	P4
Apical-GLSglobal								
Anterior	-20.51±4.48	-20.49±4.01	-20.53±5.03	-23.00±4.04	0.010	0.021	0.029	0.966
septal	-21.28±4.62	-21.59±5.36	-20.91±3.64	-24.60±4.28	0.001	0.008	0.002	0.531
Inferior	-21.32±3.97	-21.62±4.26	-20.97±3.65	-25.43±3.97	0.000	0.000	0.000	0.499
Lateral	-20.46±4.28	-20.62±4.21	-20.28±4.37	-22.63±3.96	0.019	0.053	0.030	0.737
Apex	-21.23±3.79	-21.22±3.71	-21.25±3.95	-23.97±3.50	0.001	0.003	0.005	0.970
Apical-GLSendo								
Anterior	-28.29±5.80	-28.19±5.03	-28.41±6.66	-31.03±5.73	0.032	0.049	0.078	0.877
Septal	-29.75±5.21	-30.81±5.03	-28.53±5.24	-32.90±5.37	0.007	0.105	0.001	0.072
Inferior	-29.10±5.69	-29.43±5.70	-28.72±5.74	-33.30±5.33	0.001	0.006	0.002	0.599
Lateral	-28.22±5.68	-28.41±5.22	-28.00±6.24	-30.70±4.77	0.039	0.090	0.054	0.758
Apex	-29.23±5.20	-29.41±4.65	-29.03±5.84	-31.90±4.67	0.018	0.048	0.028	0.761
Apical-GLSepi								
Anterior	-15.22±3.86	-15.46±3.48	-14.94±4.30	-17.40±3.08	0.007	0.033	0.009	0.556
Septal	-16.72±3.80	-16.62±3.59	-16.84±3.83	-18.87±3.59	0.010	0.017	0.037	0.807
Inferior	-16.77±3.85	-16.89±4.02	-16.63±3.70	-19.97±3.30	0.000	0.001	0.001	0.766
Lateral	-15.28±3.54	-15.59±3.56	-14.91±3.55	-17.60±3.45	0.003	0.023	0.003	0.420
Apex	-16.09±3.18	-16.35±3.30	-15.78±3.08	-18.37±2.75	0.001	0.009	0.001	0.443

P1: Significantly different ($P<0.05$) compared with the groups A and B. P2: Significantly different ($P<0.05$) compared with the groups A1 and B. P3: Significantly different ($P<0.05$) compared with the groups A2 and B. P4: Significantly different ($P<0.05$) compared with the group A1 and A2. GLSglobal: Global Longitudinal Strain; GLSendo: Global Endocardial Longitudinal Strain; GLSepi: Global Epicardial Longitudinal Strain.

Table S4 Apical layer-speckle strain parameters in study groups

Variable	A (n=69)	A1 (n=37)	A2 (n=32)	B (n=30)	P1	P2	P3	P4
TAPSE	2.03±0.30	2.04±0.28	2.02±0.32	2.13±0.39	0.176	0.275	0.200	0.811
S' (cm/s)	12.65±1.96	12.51±1.94	12.81±2.01	12.97±2.22	0.483	0.370	0.768	0.547
RVFW-GLSendo (%)	-28.97±3.92	-29.70±3.60	-28.13±4.16	-30.10±4.11	0.197	0.683	0.052	0.101
RVFW-GLSepi (%)	-23.14±7.14	-23.38±8.79	-22.88±4.70	-25.03±4.12	0.180	0.297	0.189	0.746
RVFW-GLSglobal (%)	-25.83±3.23	-26.24±3.30	-25.34±3.16	-26.87±3.34	0.149	0.439	0.070	0.257

P1: Significantly different ($P<0.05$) compared with the groups A and B. P2: Significantly different ($P<0.05$) compared with the groups A1 and B. P3: Significantly different ($P<0.05$) compared with the groups A2 and B. P4: Significantly different ($P<0.05$) compared with the groups A1 and A2. TAPSE: tricuspid annulus peak systolic excursion; S': Pulsed Doppler S wave: peak systolic velocity of tricuspid annulus by pulsed-wave tissue Doppler imaging; RVFW: right ventricular free wall.