Supplementary Table-1: Demographic Information and Clinical Characteristics of Patients.

Patient ID	Sex	Age	ISS at Admission	Maximum MODS	Injury Type	Infection
Patients who experienced MDDC defects						
124	M	34	22	7	Blunt trauma due to construction site accident	Bacteremia
129	M	57	26	10	Blunt trauma due to Motorvehicle crash (MVC)	Pneumonia, led to sepsis
135	M	76	33	16	Burn	Bacteremia, led to sepsis
140	F	43	32	11	Burn	Pneumonia that led to sepsis
146	M	42	21	8	Blunt trauma due to MVC	Pneumonia
147	M	35	24	6	Violent Assult	NONE
148	M	61	27	5	Blunt trauma due to MVC	NONE
160	M	20	25	14	Burn caused by Explosion	Pneumoni that led to sepsis
166	M	40	22	13	Burn	Pneumonia
172	F	52	25	9	Blunt trauma due to MVC	Pneumonia
173	M	20	25	7	Blunt trauma due to MVC	NONE
180	M	35	22	9	Burn	Pneumonia that led to sepsis
183	M	23	28	7	Multiple gunshot wound (torso, jaw, arms)	NONE
209	M	23	30	11	Blunt trauma and burn due to MVC	Bacteremia
220	M	39	28	8	Gunshot wound (Chest, Shoulder)	Pneumonia & Bacteremia; led to sepsis
229	M	64	22	11	Blunt trauma due to MVC	NONE
236	M	44	28	8	Blunt trauma [Motorcycling accident]	NONE
237	F	27	27	13	Blunt trauma due to MVC	NONE
Mean ± SEM		40.8 ± 3.8	25.9 ± 0.8	9.6 ± 0.7*		
Patients who never experienced MDDC defects						
Patient ID	Sex	Age	ISS at Admission	Maximum MODS	Injury Type	Infection
126	F	21	22	11	Gunshot wound	NONE
127	M	39	27	9	Blunt trauma due to MVC	NONE
128	M	18	25	10	Burn	Pneumonia
130	F	61	23	8	Burn	NONE
132	M	44	25	7	Blunt trauma due to MVC	Pneumonia, led to sepsis
134	M	62	24	9	Blunt trauma due to MVC [Ejected from vehicle]	NONE
136	F	49	22	10	Blunt trauma [Hit by car]	NONE
141	M	47	30	10	Blunt trauma [Aviation accident]	Pneumonia, led to sepsis
145	F	18	24	7	Blunt trauma due to MVC	NONE
149	M	26	21	13	Blunt trauma [Hit by car]	NONE
150	F	69	25	6	Burn	NONE
163	M	67	25	6	Blunt trauma [Fall]	NONE
164	M	18	20	10	Blunt trauma due to MVC	NONE
174	M	19	20	5	Blunt trauma due to MVC	NONE
177	M	41	26	6	Blunt trauma due to MVC	NONE
179	M	25	21	9	Blunt trauma due to MVC	NONE
181	F	21	26	12	Blunt trauma due to MVC	NONE
184	M	55	35	9	Blunt trauma due to MVC	Pneumonia
188	M	75	35	9	Blunt trauma due to MVC	Pneumonia, led to sepsis
191	M	47	21	4	Blunt trauma [Fall]	NONE
194	M	30	21	5	Blunt trauma due to MVC	NONE
195	F	21	27	7	Blunt trauma due to MVC	Pneumonia, led to sepsis
201	F	20	27	8	Blunt trauma due to MVC	Pneumonia
202	F	24	22	11	Blunt trauma [Hit by car]	Pneumonia
204	M	20	29	7	Blunt trauma due to MVC	NONE
205	M	43	39	14	Multiple gunshot wound (chest, abdomen, arm)	NONE
206	M	46	37	9	Blunt trauma due to MVC, heavy hemorrage	NONE
208	M	50	24	8	Blunt trauma due to MVC	NONE
210	F	22	26	3	Blunt trauma due to MVC	NONE
212	M	65	29	6	Blunt trauma [Hit by car]	NONE
213	M	63	31	7	Blunt trauma due to MVC	Pneumonia
215	M	27	25	10	Blunt trauma due to Motorcycle crash	NONE
216	M	50	26	5	Blunt trauma due to Motorcycle crash	NONE
217	M	52	26	5	Blunt trauma due to Motorcycle crash	NONE
218	M	64	37	9	Blunt trauma due to Motorcycle crash	NONE
221	M	24	22	6	Blunt trauma due to MVC	NONE
222	F	32	20	6	Blunt trauma due to MVC	NONE
226	M	20	34	7	Blunt trauma due to Motorcycle crash	Pneumonia
227	M	53	33	5	Blunt trauma due to MVC	NONE
231	F	26	34	7	Blunt trauma due to MVC	NONE
233	M	18	24	4	Blunt trauma due to MVC	NONE
234	M	36	23	6	Blunt trauma [Hit by car]	Bacteremia, led to sepsis
235	M	26	28	8	Blunt trauma due to MVC	NONE
236	M	44	26	6	Blunt trauma due to MVC	NONE
237	F	27	21	13	Blunt trauma due to MVC	NONE
240	M	26	21	6	Blunt trauma [construction site injury]	NONE
241	M	59	30	8	Blunt trauma [Fall]	NONE
244	M	23	21	6	Blunt trauma due to MVC	NONE
245	F	41	24	5	Blunt trauma due to MVC	Bacteremia
246	M	43	25	5	Blunt trauma due to MVC	Pneumonia
248	M	64	34	4	Blunt trauma due to MVC	Pneumonia
249	F	58	20	6	Blunt trauma [Horseriding accident]	NONE
251	M	21	29	7	Blunt trauma due to MVC	NONE
253	M	26	22	6	Blunt trauma due to MVC	NONE
Mean ± SEM		38.6 ± 2.3	26.2 ± 0.7	7.5 ± 0.3		

*p = 0.0041 by t test compared to average maximum MODS suffered by patients with differentiation competent MDDC. ISS- Injury Severity Score, Max MODS Score- Maximum Marshall's multiple organ dysfunction score suffered by patients during study preiod.