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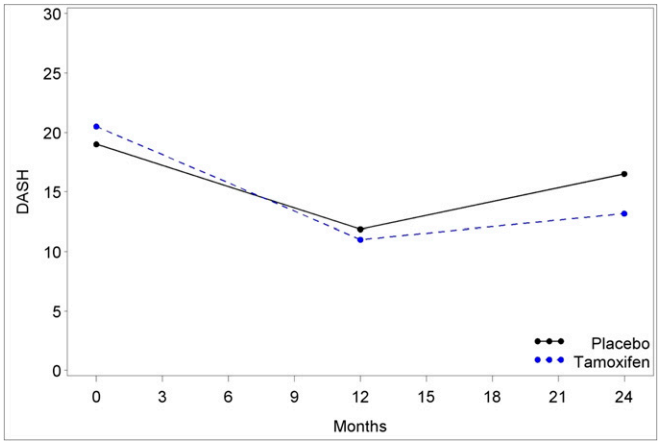

Fig. E-1

The mean DASH score did not differ significantly between the two groups at any time point.

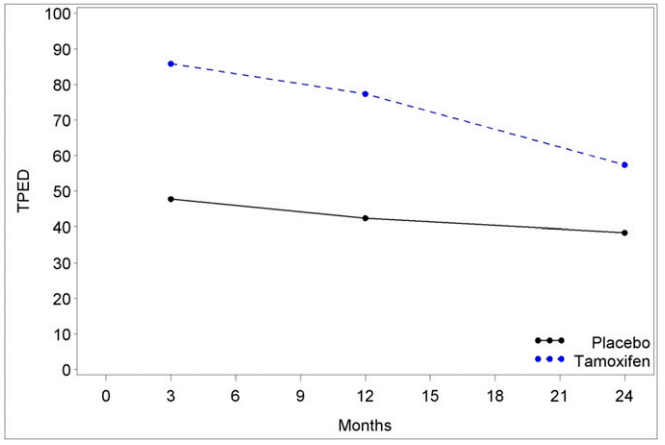

Fig. E-2

The total passive extension deficit (TPED) did not differ significantly between the two groups at any time point.

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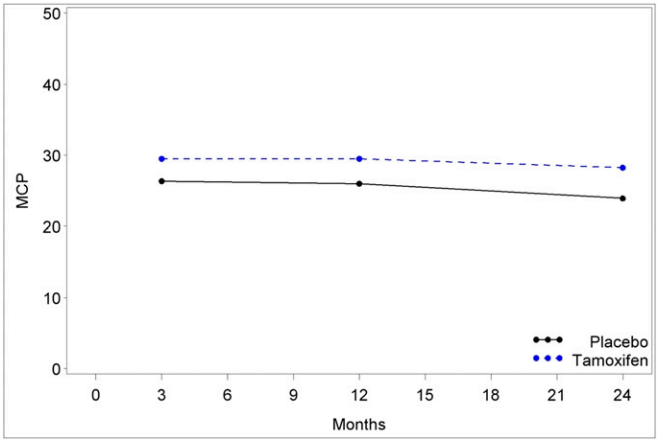

Fig. E-3

The metacarpophalangeal joint (MCP) extension deficit did not differ significantly between the two groups at any time point.

TABLE E-1 Abe System to Evaluate Dupuytren Diathesis (D Score)*

Clinical Variable	Yes	No
Bilateral hand involvement	1	0
Little-finger surgery	1	0
Early onset before age 50 yr	1	0
Plantar fibrosis	2	0
Knuckle pads	2	0
Radial side involvement	2	0

*The D score is the sum of the values for the six clinical variables. The risk of recurrence and/or extension is high with a D score of >4.

TABLE E-2 Preoperative Demographics of the Patients Who Completed Treatment

Group	Age* *(yr)*	M/F	Abe D Score*	MCP* *(deg)*	PIP* *(deg)*	DASH*	10-Point VAS*
Placebo	64 ± 8.1	11/3	6 ± 1.1	31 ± 20.1	47 ± 30.0	19 ± 15.2	7.6 ± 1.4
Tamoxifen	62 ± 8.0	11/1	6 ± 0.9	30 ± 31.8	61 ± 20.2	20.5 ± 15.4	7.1 ± 2.1

*The values are given as the mean and the standard deviation. MCP = metacarpophalangeal joint extension deficit, and PIP = proximal interphalangeal joint extension deficit.

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TABLE E-3 Age of All Patients*

Treatment	No.	Mean	Std. Dev.	Median	Min.	Max.	25th Percentile	75th Percentile
All	30	63.5	8.0	61.0	49.0	80.0	58.0	71.0
Placebo	15	64.7	8.1	63.0	49.0	76.0	58.0	73.0
Tamoxifen	15	62.3	8.0	59.0	51.0	80.0	57.0	69.0

*P = 0.329 for the difference between groups (Mann-Whitney U test).

TABLE E-4 Sex of All Patients*

Sex	Placebo	Tamoxifen
Male	12/15 (80%)	14/15 (93%)
Female	3/15 (20%)	1/15 (7%)

*P = 0.598 for the difference between groups (Fisher test).

TABLE E-5 Patient Dropouts

Dropped Out	Placebo	Tamoxifen
No	14/15 (93%)	12/15 (80%)
Yes	1/15 (7%)	3/15 (20%)

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TABLE E-6 Preoperative Measurements of Patients Who Did and Did Not Drop Out

Variable*	Dropout	No.	Mean	Std. Dev.	Median	Min.	Max.	25th Percentile	75th Percentile
VAS satisfaction		30	7.2	1.7	7.0	3.0	10.0	6.0	8.0
	No	26	7.3	1.7	7.5	3.0	10.0	6.0	8.0
	Yes	4	6.3	1.0	6.5	5.0	7.0	5.5	7.0
DASH		30	20.8	14.7	16.0	0.0	49.0	11.0	34.0
	No	26	19.7	15.0	15.0	0.0	49.0	9.0	34.0
	Yes	4	27.8	11.5	28.0	14.0	41.0	19.0	36.5
MCP		30	27.1	25.4	22.0	0.0	90.0	0.0	48.0
	No	26	30.1	25.6	24.0	0.0	90.0	13.0	48.0
	Yes	4	7.5	15.0	0.0	0.0	30.0	0.0	15.0
PIP		30	54.2	27.5	58.5	10.0	96.0	32.0	75.0
	No	26	53.7	26.4	58.5	10.0	96.0	32.0	75.0
	Yes	4	57.8	38.5	65.5	10.0	90.0	26.5	89.0
TPED		30	81.7	40.4	83.0	29.0	157.0	43.0	120.0
	No	26	84.2	41.9	84.0	29.0	157.0	45.0	122.0
	Yes	4	65.3	27.5	65.5	40.0	90.0	41.5	89.0

*MCP = metacarpophalangeal joint extension deficit, PIP = proximal interphalangeal joint extension deficit, and TPED = total passive extension deficit.

TABLE E-7 Satisfaction of Analyzed Patients

			VAS Satisfaction						
	Time *(mo)*	No.	Mean	Std. Dev.	Median	Min.	Max.	25th Percentile	75th Percentile
Placebo									
	All	56	8.1	1.9	8.0	2.0	10.0	7.0	10.0
	0	14	7.6	1.4	8.0	5.0	10.0	7.0	8.0
	3	14	8.2	2.0	8.5	4.0	10.0	7.0	10.0
	12	14	8.2	2.5	9.0	2.0	10.0	8.0	10.0
	24	14	8.2	1.7	9.0	5.0	10.0	7.0	10.0
Tamoxifen									
	All	48	8.4	1.9	9.0	3.0	10.0	7.0	10.0
	0	12	7.1	2.1	7.0	3.0	10.0	5.5	9.0
	3	12	9.7	0.9	10.0	7.0	10.0	10.0	10.0
	12	12	8.5	1.7	9.0	5.0	10.0	7.0	10.0
	24	12	8.2	1.8	8.5	4.0	10.0	7.5	9.5

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TABLE E-8 Modeling of Satisfaction with Time-by-Treatment Interaction

	VAS Satisfaction				
Time	Estimated Treatment Effect	Std. Error	DF*	T Value	P Value
3 mo	1.4524	0.6375	24	2.28	0.0319
1 yr	0.2857	0.8397	24	0.34	0.7366
2 yr	−0.04762	0.6909	24	−0.07	0.9456

*DF = degrees of freedom.

TABLE E-9 Modeling of Satisfaction Using Multiple Imputation

	VAS Satisfaction				
Time	Estimated Treatment Effect	Std. Error	DF*	T Value	P Value
3 mo	1.206667	0.648043	1201.9	1.86	0.0628
1 yr	−0.086667	0.873311	1411.8	−0.10	0.9210
2 yr	−0.313333	0.752551	381.65	−0.42	0.6774

*DF = degrees of freedom.

TABLE E-10 DASH Score of Analyzed Patients

			DASH Score						
	Time *(mo)*	No.	Mean	Std. Dev.	Median	Min.	Max.	25th Percentile	75th Percentile
Placebo									
	All	42	15.8	16.4	11.0	0.0	57.0	2.0	23.0
	0	14	19.0	15.2	15.0	0.0	48.0	7.0	34.0
	12	14	11.9	15.6	9.0	0.0	57.0	0.0	16.0
	24	14	16.5	18.5	12.5	0.0	57.0	5.0	18.0
Tamoxifen									
	All	36	14.9	16.7	10.0	0.0	54.0	2.0	20.0
	0	12	20.5	15.4	15.0	5.0	49.0	10.0	28.0
	12	12	11.0	18.3	2.0	0.0	50.0	0.0	11.5
	24	12	13.2	16.1	8.0	0.0	54.0	1.0	21.5

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TABLE E-11 Modeling of DASH Score with Time-by-Treatment Interaction

	DASH Score				
Time	Estimated Treatment Effect	Std. Error	DF*	T Value	P Value
1 yr	−0.8571	6.6470	24	−0.13	0.8985
2 yr	−3.3333	6.8738	24	−0.48	0.6321

*DF = degrees of freedom.

TABLE E-12 Modeling of DASH Score Using Multiple Imputation

	DASH Score				
Time	Estimated Treatment Effect	Std. Error	DF*	T Value	P Value
1 yr	1.440000	6.801975	1023.1	0.21	0.8324
2 yr	−0.660000	6.821608	1062.3	−0.10	0.9229

*DF = degrees of freedom.

TABLE E-13 Total Passive Extension Deficit (TPED) of Analyzed Patients

			TPED *(deg)*						
	Time *(mo)*	No.	Mean	Std. Dev.	Median	Min.	Max.	25th Percentile	75th Percentile
Placebo									
	All	42	42.9	39.7	29.5	−60.0	126.0	19.0	80.0
	3	14	47.8	31.7	37.0	5.0	103.0	28.0	80.0
	12	14	42.4	48.6	28.5	−60.0	126.0	20.0	84.0
	24	14	38.4	39.5	27.0	−40.0	105.0	18.0	72.0
Tamoxifen									
	All	36	73.5	46.0	52.5	4.0	157.0	36.0	111.0
	3	12	85.8	44.1	81.5	34.0	157.0	44.0	118.5
	12	12	77.3	46.3	57.0	24.0	157.0	43.0	117.5
	24	12	57.4	46.7	41.0	4.0	157.0	26.0	84.5

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TABLE E-14 Modeling of TPED with Time-by-Treatment Interaction*

	TPED *(deg)*				
Time	Estimated Treatment Effect	Std. Error	DF	T Value	P Value
3 mo	38.0476	14.9180	24	2.55	0.0176
1 yr	34.9048	18.7188	24	1.86	0.0745
2 yr	18.9881	16.9024	24	1.12	0.2724

*TPED = total passive extension deficit, and DF = degrees of freedom.

TABLE E-15 Modeling of TPED Using Multiple Imputation*

	TPED *(deg)*				
Time	Estimated Treatment Effect	Std. Error	DF	T Value	P Value
3 mo	37.533333	14.660773	1123.5	2.56	0.0106
1 yr	31.253333	19.104919	442.35	1.64	0.1026
2 yr	20.293333	23.374315	51.973	0.87	0.3893

*TPED = total passive extension deficit, and DF = degrees of freedom.

TABLE E-16 Improvement in Metacarpophalangeal (MCP) Extension Deficit of Analyzed Patients

			MCP Extension Deficit *(deg)*						
	Time *(mo)*	No.	Mean	Std. Dev.	Median	Min.	Max.	25th Percentile	75th Percentile
Placebo									
	All	42	25.4	20.9	22.0	−24.0	62.0	19.0	48.0
	3	14	26.4	20.4	22.0	−5.0	62.0	19.0	48.0
	12	14	26.0	20.3	22.0	−5.0	62.0	19.0	48.0
	24	14	23.9	23.3	22.0	−24.0	62.0	9.0	48.0
Tamoxifen									
	All	36	29.1	30.8	16.0	0.0	90.0	4.0	40.0
	3	12	29.5	31.8	20.0	0.0	90.0	4.0	42.5
	12	12	29.5	31.8	20.0	0.0	90.0	4.0	42.5
	24	12	28.3	31.8	15.0	0.0	90.0	4.0	40.0

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TABLE E-17 Modeling of MCP Extension Deficit with Time-by-Treatment Interaction*

	MCP Extension Deficit *(deg)*				
Time	Estimated Treatment Effect	Std. Error	DF	T Value	P Value
3 mo	3.1429	10.3113	24	0.30	0.7631
1 yr	3.5000	10.2915	24	0.34	0.7368
2 yr	4.3214	10.8200	24	0.40	0.6931

*MCP = metacarpophalangeal, and DF = degrees of freedom.

TABLE E-18 Modeling of MCP Extension Deficit Using Multiple Imputation*

	MCP Extension Deficit *(deg)*				
Time	Estimated Treatment Effect	Std. Error	DF	T Value	P Value
3 mo	1.766667	9.750176	2636.8	0.18	0.8562
1 yr	3.053333	10.756035	249.34	0.28	0.7767
2 yr	3.720000	11.991816	155.1	0.31	0.7568

*MCP = metacarpophalangeal, and DF = degrees of freedom.

TABLE E-19 Improvement in Proximal Interphalangeal (PIP) Extension Deficit of Analyzed Patients

			PIP Extension Deficit *(deg)*						
	Time *(mo)*	No.	Mean	Std. Dev.	Median	Min.	Max.	25th Percentile	75th Percentile
Placebo									
	All	42	17.5	27.6	18.0	−80.0	78.0	2.0	33.0
	3	14	21.4	18.7	19.0	−12.0	60.0	10.0	34.0
	12	14	16.4	38.0	20.0	−80.0	78.0	0.0	34.0
	24	14	14.5	24.2	17.0	−20.0	70.0	0.0	22.0
Tamoxifen									
	All	36	43.3	26.9	48.0	−31.0	95.0	26.0	59.0
	3	12	54.4	22.0	54.5	13.0	95.0	44.0	67.0
	12	12	47.0	19.2	43.5	20.0	75.0	32.0	61.0
	24	12	28.3	32.5	29.0	−31.0	75.0	5.0	53.5

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TABLE E-20 Modeling of PIP Extension Deficit with Time-by-Treatment Interaction*

	PIP Extension Deficit *(deg)*				
Time	Estimated Treatment Effect	Std. Error	DF	T Value	P Value
3 mo	32.9881	7.9731	24	4.14	0.0004
1 yr	30.5714	12.1204	24	2.52	0.0187
2 yr	13.8333	11.1369	24	1.24	0.2262

*PIP = proximal interphalangeal, and DF = degrees of freedom.

TABLE E-21 Modeling of PIP Extension Deficit Using Multiple Imputation*

	PIP Extension Deficit *(deg)*				
Time	Estimated Treatment Effect	Std. Error	DF	T Value	P Value
3 mo	33.160000	9.842089	141.19	3.37	0.0010
1 yr	27.053333	12.908532	538.47	2.10	0.0366
2 yr	15.426667	16.611258	52.516	0.93	0.3573

*PIP = proximal interphalangeal, and DF = degrees of freedom.

TABLE E-22 Tubiana Index of Analyzed Patients

			Tubiana Index						
	Time *(mo)*	No.	Mean	Std. Dev.	Median	Min.	Max.	25th Percentile	75th Percentile
Placebo									
	All	42	51.7	51.2	62.1	−200.0	100.0	34.5	77.8
	3	14	61.0	26.8	65.5	17.0	100.0	48.0	76.0
	12	14	44.8	77.4	65.5	−200.0	100.0	34.5	100.0
	24	14	49.4	37.7	57.6	−40.0	100.0	31.0	66.7
Tamoxifen									
	All	36	80.1	28.8	100.0	7.4	100.0	65.2	100.0
	3	12	92.8	13.2	100.0	67.0	100.0	87.5	100.0
	12	12	83.4	22.9	100.0	41.7	100.0	66.9	100.0
	24	12	64.1	38.4	74.7	7.4	100.0	26.6	100.0

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TABLE E-23 Modeling of Tubiana Index with Time-by-Treatment Interaction

	Tubiana Index				
Time	Estimated Treatment Effect	Std. Error	DF*	T Value	P Value
3 mo	31.7500	8.5121	24	3.73	0.0010
1 yr	38.6373	23.2240	24	1.66	0.1092
2 yr	14.6648	14.9552	24	0.98	0.3366

*DF = degrees of freedom.

TABLE E-24 Modeling of Proximal Interphalangeal Extension Deficit (in Degrees) Using Multiple Imputation

	Tubiana Index				
Time	Estimated Treatment Effect	Std. Error	DF*	T Value	P Value
3 mo	34.392177	14.057415	167.69	2.45	0.0155
1 yr	36.525484	27.149854	128.11	1.35	0.1809
2 yr	20.109205	35.780028	27.053	0.56	0.5787

*DF = degrees of freedom.