

LIST OF TABLES

Table		Page
(1)	Contents of PRP: Growth factors and their actions	18
(2)	Other Different therapeutic applications using platelet rich plasma therapies	22
(3)	Age distribution of patients	32
(4)	Distribution of patients according to Fitzpatrick skin type	33
(5)	Distribution of striae distensae	34
(6)	Stretch mark clinical scoring	36
(7)	Comparison between the right and left side regarding stretch mark clinical score before and after treatment	37
(8)	Patient satisfaction score	38
(9)	Comparison of the 2 sides regarding the patient satisfaction score	38
(10)	Comparison between the two sides regarding quartile grading score	39
(11)	Relation between the quartile grading score and age	40
(12)	Relation between the quartile grading score and Fitzpatrick skin types	41
(13)	The relation of striae type to Quartile grade on both sides	42
(14)	Relation between the quartile grading score and site for both sides	42
(15)	Relation between the quartile grading score and duration of the disease	43
(16)	Relation between the quartile grading score and etiology	44
(17)	relation between quartile score and patient satisfaction score in a table	45
(18)	Distribution of the studied patients regarding side effects	47

LIST OF FIGURES

Figure		Page
(1)	Layers and structure of the skin.	3
(2)	Molecular character of a collagen fibril in increasing order of structure	5
(3)	Collagen fibril and cross-striation	6
(4)	Schematic representation of the components of elastic fibers	7
(5)	Stretch marks that develop during pregnancy are known as striae gravidarum	11
(6)	Collagen induction therapy	17
(7)	Dermaroller	28
(8)	A 15 years old female patient showing erythema and pin point bleeding after the session	30
(9)	Age distribution of striae distensae patients	32
(10)	Sex distribution	32
(11)	Fitzpatrick skin type distribution	33
(12)	Types of striae distensae	34
(13)	Distribution of striae distensae	34
(14)	Duration of the disease in years	35
(15)	Etiology of striae distensae	35
(16)	Comparison between the right and left side regarding stretch mark clinical score 3 months after treatment	37
(17)	Comparison of 2 sides in view of patient satisfaction score	38
(18)	Comparison between right and left sides with Quartile grading system	39
(19)	Relation between marked improvements of the Quartile grading and age for both sides	40
(20)	Relation between marked improvement measured by quartile grading and Fitzpatrick skin types on both sides	41
(21)	Relation between the marked improvement using quartile grading and site for both sides.	43
(22)	Relation between marked improvements using the quartile grading and duration of the disease for both sides	44
(23)	Relation between Quartile grading and patient satisfaction score for the right side	46
(24)	Relation between Quartile grading and patient satisfaction score for the left side	46

Figure		Page
(25)	Distribution of the studied patients regarding side effects	47
(26)	Distribution of the studied patients regarding the severity of pain	48
(27)	Distribution of the studied patients regarding the duration of erythema	48
(28)	A 15 years old female patient has striae distensae of 1 year duration before and 3 months after micro-needling and PRP treatments	49
(29)	A 17 years old female patient has striae distensae of 1 year duration before and 3 months after micro-needling and PRP treatments	50
(30)	A 28 years old female patient has striae distensae of 1.5 year duration before and 3 months after micro-needling and PRP treatments	51
(31)	A 21 years old female patient has striae distensae of 1 year duration before and 3 months after micro-needling and PRP treatments	52
(32)	A 25 years old female patient has striae distensae of 6 months duration before and 3 months after micro-needling and PRP treatments	53
(33)	A 21 years old female patient has striae distensae of 1 year duration before and 3 months after micro-needling and PRP treatments	54