



















Hair Dept-Density-Phases

% of hairs in the Anagen phase	85%	%02	60%	25%	15%	25%	15%	15%	25%
% of hairs in the Telogene phase	15%	30%	40%	75%	85%	75%	85%	85%	20%
Telogene phase duration	3 months	10 weeks	6 weeks	3 months	3 months	4 months	5 months	6 months	3 months
Hair density	350/sq.cm	500/sq.cm.	500/sq.cm.	65/sq.cm.	70/sq.cm.	70/sq.cm.	80/sq.cm	60/sq.cm.	70/sq.cm.
Depth of follicle	5-7 mm	2-4 mm	1-2.5 mm	4-5mm	2-5mm	2-4mm	2-4 mm	2-4.5 mm	4-5 mm
Area of the body	Scalp	Beard	Upper lip	Axilla	Back/Chest	Breasts	Arms	Legs	Bikini













Treatment Intervals

- Generally use 4 to 6 weeks between sessions
- Hot seasons and warm areas: 2 to 3 weeks between sessions
- Ideally, wax the first time. After 3 to 6 weeks, when hair regrows, start the first treatment for optimal results



3 Hai	r Removal (Options
Hair	Deep	Sensitive
Removal	Follicules	Skin
< 5 ms >	< 10ms >	< 15 ms
Gap	Sms Sms Gap Gap	Sms Sms Sms
Pulse Width = 5 ms	Pulse Width =10 ms	Pulse Width = 15 ms
Total Energy = 13 j/cm2 (colored area)	Total Energy = 13 j/cm2 (the sum of the colored areas)	Total Energy = 13 j/cm2 (the sum of the colored areas)

Dark Skin Consideration
 The longer the pulse time in milliseconds the less energy will be delivered using the same amount of Joules
 For Fitzpatrick 4 skin types, there is less chance of burning the skin







	F	itzpa	atric	< Scal	e	
phototype	peau	cheveux	yeux	täches de rousseur	coups de Soleil	bronzage
0 (albinos)	presque blanche	blancs	bleus	absentes	systématiques	impossible
1	très claire	blonds, roux	bleus, verts	présentes	systématiques	absent
Ш	très claire	blonds, châtain clair	clairs	absentes ou rares	fréquents	difficile, lent
Ш	claire	châtains	marrons	absentes	assez fréquents	progressif
IV	mate	châtains, bruns	marrons, noirs	absentes	rares	bronze bien
¥			toncés		exceptionnels ou absents	
VI	noire	noirs	foncés	absentes	absents	intense et















Etiological Factors
Hypermelanosis
 Pregnancy Genetics (racial background, particularly Latino), particularly affects women and those living in the tropics Endocrinological (hormonal balance)

Etiological Factors Hypermelanosis Hereditary of Developmental Disorders Metabolic Disorders Endocrine Disorders Inflammatory Disorders Chemically Induced Disorders Nutritional Disorders Nutritional Disorders Neoplastic Disorders





















			and the second
	Term	inology	
Non-Inflamm	atory Acne Lesio	ons:	
 Open Com 	edones		
 Closed Cor 	nedones		
Inflammatory	Acne Lesions:		
 Papules 			
 Pustules 			
 Cysts/Nod 	ules		

































Vascular Treatment Using Light-Based Technology How Does it Work? When handling the capillaries two treatments are actually being administered: 1. Breaking the layer of clotted blood and opening the capillary again, resulting in free blood flow through the capillary and

the disappearance of the purple color. 2. Stimulating the collagen layer to produce

more collagen, resulting in thicker skin that conceals the capillaries.















	aser vs Intense Pulsed Light
	Laser vs. Intense r uised Light
Во	th are light-based technologies
Bo	th work by selective photothermolysis
w	hat is the difference?
•	Lasers emit only one specific wavelength light
•	Intense Pulsed Light uses broad range of light, consisting of many different wavelengths









	Skin Types Fitzpatrick Types
1	Always burn, never tan
	Always burn, sometimes tan
	Sometimes burn, sometimes tan
IV	Never burn, always tan
v	Moderately pigmented (Hispanic, Asian)
VI	Black

Contraindications
 ABCD : Skin malignancy or precancerous pigmented lesions (actinic keratosis – SSC, nevocellular nevi – melanoma)
Pregnancy
Tanned skin
 Diseases stimulated by light (lupus, epilepsy, solar urticaria)
 Use of photosensitive medications or herbs
 Use of anticoagulants for VL treatment
 Fragile and dry skin (accutane or low pH AHA's)
 Fragile blood vessels (diabetes, alcoholism)
History of keloid scarring





-	Skin Types						
	Fitzpatrick S	cale for Sk	kin-Type	Classificaiton			
Skin type	Sán celor	Harcolor (carkes:)	Fye.color (mast.commar)	Descript on			
I	White or very pale	Blonde	Blue, grey, green	Aiways burns, never tans			
Ш	Pale white with beige tint	Chestnut or dark blond	blue	Always burns, sometimes tans			
ш	Beige to light brown (olive)	Dark brown	Dark brown	Sometimes ourns, always tans			
IV	Light to moderate brown	Black	Brown	Ranely burns, always tans			
v	Medium to dark brown	Black	Brownich black	Rarely burns, tans more than average			

_	Pre-Treatment
	The meanment
•	Patient/client history - eligibility
•	Patient/client information and expectations
•	Informed consent form
•	Photographing
•	Clean treatment area
•	Shave or protect hair as applicable
•	Some case: Cool area to minimize pain and protect epidermis (not vascular)
•	Pain management: EMLA or Lidocaine 4% for 1 h (rarely)
•	Intensity test (optional)
•	Test patch







-	Special Features
	IPL 360
	 The least painless IPL technology on the market
	 The fastest IPL technology on the market
	 Unique patented hand piece for light and fine hair and skin rejuvenation
	 The most easy on the market to maintain
	 Integrated cooling hand pieces
	 Integrated measuring system (intensity of the flashes)
	 Small hand piece: 15x50mm (200k pulses) duration plus air cooling system
	Large hand piece: 15x30mm (250k pulses) duration plus integrated cooling system

	Safety Sta	andards and Approvals
	• FDA	US Safety & Effect Standard
	Health Canada	Health Ministry Approval
	CE-M-MDD	Medical Standard
	• ISO-13485	Medical Manufacturing Standard
	• TGA	Australian Medical Approval
	• CFS	Health Ministry Approval
	• CSA	Canadian & US Standards
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TREATMENT	Passages	Flashes	Light or firm contact	Gel temperature	Energy program	Treatments	Treatment interval	Colored marker
Hair removal	2	1	firm	Cold gel	0-12	4-15	4-6 weeks	ou
Acne	2	2	1-light 2-firm	Cold gel	0-8	5-8	2-7 days	ou
Pigmentary spots	1	2**	light	Room temperature	+2 - +3 of normal program	5-8	3 days afterfirst-2-3weeks after	yes ***
Pigmentary zone	1	2	light	Room temperature	5-12	5-8	3 weeks	yes ***
Vascular	1	£	light	Cold gel	3-8	6-10	2 weeks	ou
Rejuvenation	2	1	1-light 2-firm	Room temperature	3-8	6-10	2-4 weeks	ou
Tattoo	2	2	light	Room temperature	5-12	6-10	3-4 weeks	ou
(**) A first tre	eatment, the	en a second	after 20 mi	nutes if no redne	esses. (***) Wh	en using a brow	vn marker, limit	ate

energy level to 8. (***) For the face, the highest program is 8.