






## TIMEDSURGERY

### DIRECT-MODE PROGRAMME DATA




	Mode	Function	Power Watts	Electromaniple	Monopolar/ Bipolar	Book Section	CD ROM
Bipolar coagulation of vessels	Direct	Coag macroelectrodes	4÷50	Bipolar forceps	Monopolar	8-10	
<i>Comment:</i> Recommended for haemostasis in microsurgery							
Coagulation of vessels	Direct	Coag microelectrodes	50 or 72	EM 15 + forceps	Monopolar		
<i>Comment:</i> Recommended for surgical haemostasis.							
Coagulation cutting	Direct	Blend	20 or 27	EM 10 Green EM 10 Yellow	Monopolar	17	
<i>Comment:</i> The haemostatic effect is greater than in the cutting function. May be substituted by coagulation with microelectrode							
Treatment of rhinophyma (cutting)	Direct	Cut	20 or 27	EM 10 Yellow	Monopolar	17.2	
<i>Comment:</i> Used in rhinophyma surgery							
Treatment of rhinophyma (peeling at high power)	Direct	Coag microelectrodes	20 or 27	EM 15	Monopolar	17.2	
<i>Comment:</i> Used in rhinophyma surgery							
Treatment of venous lakes, varices and mucous cysts	Direct	Coag microelectrodes	10	EM 10 Yellow	Monopolar	19	
<i>Comment:</i> The tip of the electromaniple is inserted into the lesion, which is coagulated.							

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Peeling at low power	Direct	Coag microelectrodes	1 or 2	EM 10 Yellow (bent at an angle)	Monopolar	22	
<i>Comment:</i> Enables small raised scars on facial skin resulting from surgical operations to be levelled. Larger scars are levelled by means of timed surgical resurfacing, which is more efficacious and heats the tissues less.							
Elimination of epidermal hyperpigmentation (superficial timed surgical coagulation)	Direct	Coag microelectrodes	1	EM 15	Monopolar	26.1	
<i>Comment:</i> Epidermal hyperpigmentation of the face is eliminated by superficial timed surgical coagulation or by timed surgical resurfacing, (Coag microelectrodes, 27 or 38 Watts, EM 15). The coagulated epidermis is not removed.							
Elimination of dermal-epidermal hyperpigmentation (timed surgical de-epithelialisation)	Direct	Coag microelectrodes	1	EM 10 Yellow (bent at an angle)	Monopolar	26.3	
<i>Comment:</i> Dermal-epidermal blemishes are eliminated by means of timed surgical de-epithelialisation followed by the application of a resorcin solution for 20 seconds.							
Elimination of tattoos (electrosalting)	Direct	Coag microelectrodes	14 or 20	EM 15	Monopolar	27	
<i>Comment:</i> Extensive tattoos can be de-epithelialised prior to salting. Electrosalting is an efficacious procedure but is more complex than timed surgical resurfacing.							

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Elimination of lip wrinkles (timedsurgical de-epithelialisation)	Direct	Coag microelectrodes	1	EM 10 Yellow (bent at an angle)	Monopolar	28	
<i>Comment:</i> Even deep wrinkles are eliminated by applying saturated resorcin solution to the de-epithelialised area for 1 or 2 minutes.							
Treatment of telangiectatic naevi (timedsurgical de-epithelialisation)	Direct	Coag microelectrodes	1	EM 10 Yellow (bent at an angle)	Monopolar	29.2	
<i>Comment:</i> After timedsurgical de-epithelialisation, a resorcin solution is applied for 1 or 2 minutes. If injectable vessels are present, up to 6 ml of 8% Bisclero is injected. If the vascular network is deep, numerous micro-perforations are made using the pulsed mode. Direct pulsed 0.3/5/3 hundredths of a second - Cut - 14 Watts - EM 10 White.							
Coagulation of xanthelasma	Direct	Coag microelectrodes	20 or 27	EM 15	Monopolar	31	
<i>Comment:</i> Coagulation dries the xanthelasma and must not penetrate beyond the skin of the eyelid.							
Coagulation of common warts	Direct	Coag microelectrodes	10, 14 or 20	EM 15	Monopolar	32.1	
<i>Comment:</i> The antiviral effect of the heat is exploited by slowly inserting the tip of the electromaniple into the wart and carrying out small circular movements. The wart detaches from the dermal plane and is removed with scissors. 15% trichloracetic acid is applied to the dermis.							

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Coagulation of non-keratotic neoformations	Direct	Coag microelectrodes	27 or 38	EM 15	Monopolar	-	
Coagulation of condyloma acuminata	Direct	Coag microelectrodes	10,14 or 20	EM 15	Monopolar	33	
<i>Comment:</i> The antiviral effect of the heat is exploited.							
Coagulation of pyogenic granulomas	Direct	Coag microelectrodes	27	EM 15	Monopolar	34	
<i>Comment:</i> Coagulation is carried out until the slight bleeding ceases.							
Coagulation of keratoses	Direct	Coag microelectrodes	14 or 20	EM 15	Monopolar	39	
<i>Comment:</i> The keratotic tissue is coagulated and removed.							
Timedsurgical undermining of keratoses	Direct	Coag microelectrodes	5 or 7	EM 10 Yellow (obtuse angle)	Monopolar	39	
<i>Comment:</i> The open angle of the electromaniple is used to detach the keratosis from the dermis. The dermis must not be coagulated further.							

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Hypertrophy of turbinates	Direct	Coag microelectrodes	20	Bipolar electrode	Monopolar	42	
<i>Comment:</i> The two tips of the bipolar electrode are run along the turbinate. This operation is combined with timed coagulation of the vascular-nervous centre.							
Cutting	Direct	Cut	20, 27, 38 or 50	EM 10 Grey EM 10 Yellow EM 10 Black	Monopolar	49 17	
<i>Comment:</i> Unlike timed and pulsed timed surgical cutting, it is not used on the skin as it causes burning at the edges of the cut and retards scarring. Used in rhinophyma surgery and in subcutaneous excision of malignant melanoma							
Treatment of solar keratoses	Direct	Coag microelectrodes	50	EM 15	Monopolar	50	
<i>Comment:</i> The micro-arc destroys a solar kearatoxis.							
Timedsurgical cleansing of cutaneous ulcers	Direct	Coag microelectrodes	50	EM 15	Monopolar	51	
<i>Comment:</i> Cleanses and "sterilises" all cutaneous ulcers, including those caused by burns, with the exception of arterial ulcers. Shortens healing times.							