



Impuls Dioden Laser 120 Watt MultiPro – IR 904 nm

**Impulsdioden max. 120 Watt
Wavelength 904 nm GaAs
Impulse breath 200ns
+ 670 nm IR continuous**



**Generator with
Handprobe,
single beam 904 nm,
for acupuncture and treatment of small areas.**

**Acupunctur-frequencies
Bahr, Nogier, Reiningger, Elias**

**Multi-Frequency
1 – 10.000 Hz**

**Laser-shower with multiple beam,
6 x 904 nm
(Impulse GaAs Laserdiode max. 120 W)
+ 6 x 670 nm
(Continuous Beam IR diode 5 mW)**

**Generator with accu, main supply
and loading-station**

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Indication Proposals 1

Bio - medical - Systems, BMS GmbH, Wiesbaden 0611 - 719 091						
INDICATION PROPOSALS following Multiprog in 2510						
Indication adjustments	Normal / Acupuncture	Alfa - Frequenz yes / no	Frequenz	Amplitude	Time/Sek.	Treatment how often
<i>Wound healing, edema, inflammations acute</i>	Normal /	yes	965	80 %	30-300Sek	3 - 5 mal
<i>Wound healing, edema, inflammations chron.</i>	Normal /	no	3 200	100 %	30-600Sek	3 - 10 mal
<i>Wound healing, edema, inflammations acute</i>	Acupuncture	----	Nogier A, (B)	----	30-300Sek	3 - 5 mal
<i>Wound healing, edema, inflammations subacute</i>	Acupuncture	----	Nogier B, (C)	----	30-600Sek	3 - 10 mal
acute Inflammation	Normal /	yes	965	80 %	30-300Sek	3 - 5 mal
acute Inflammation	Acupuncture	----	Nogier A + Bahr 1	----	30-300Sek	3 - 5 mal
Contusions,Distraction / hematoma subakut	Normal /	no	3 200	100 %	300 Sek.	3 - 5mal
Contusions,Distraction / hematoma subakut	Acupuncture	----	Nogier B, C	----	30-600Sek	3 - 10 mal
Bursitis, acute	Normal /	yes	966	100 %	300 Sek.	3 - 5 mal
Bursitis, chron.	Normal /	no	3 200	100 %	30-600Sek	3 - 10 mal
Bursitis, acute	Acupuncture	----	Nogier A, (C)	----	30-300Sek	3 - 5 mal
Bursitis, chron	Acupuncture	----	Nogier A, B, (C)	----	30-600Sek	3 - 10 mal
Saddle pressure	Normal /	no	3 200	100 %	300 Sek.	3 - 5 mal
Saddle pressure	Acupuncture	----	Nogier A, C	----	30-300Sek	3 - 5 mal

Indication Proposals 2

Indication adjustments	Normal / Acupuncture	Alfa - Frequenz yes / no	Frequenz	Amplitude	Time/Sek.	Treatment how often
Tendopathien, chron.	Normal /	no	3 000	100 %	30-600Sek	3 - 10 mal
Tendovaginitis, akut	Normal /	yes	965	80 %	30-300Sek	3 - 5 mal
Tendovaginitis, Tendinitis akut	Acupuncture	----	Nogier A, (B)	----	30-300Sek	3 - 5 mal
Tendovaginitis, Tendinitis chron.	Acupuncture	----	Nogier B,C	----	30-600Sek	3 - 10 mal
<i>Hoof inflammations, Laminitis acute</i>	Normal /	yes	965	80 %	30-300Sek	3 - 5 mal
<i>Hoof inflammations, Laminitis acute</i>	Acupuncture	----	Nogier A	----	30-300Sek	3 - 5 mal
<i>Horn cleft</i>	Normal /	no	7 200	100 %	600 Sek.	5 - 10mal
<i>Horn cleft</i>	Acupuncture	----	Nogier B,C,F	----	30-600Sek	3 - 10 mal
Arthrose, Arthritis akut	Normal	yes	965	80 %	240 Sek.	3 - 5 mal
Arthrose, Arthritis chron	Normal	no	6 500	100 %	300 Sek.	3 - 10 mal
Arthrose, Arthritis akut	Acupuncture	----	Nogier A, C	----	30-300Sek	3 - 5 mal
Arthrose, Arthritis chron	Acupuncture	----	Nogier B, C	----	30-600Sek	3 - 10 mal
<i>Tendon-,ligament- and muscle damages acute</i>	Normal /	yes	965 / 2400	80 %	30-300Sek	3 - 5 mal
<i>Tendon-,ligament- and muscle damages chron.</i>	Normal /	no	3 200	100 %	300 Sek.	5 -10mal
<i>Tendon-,ligament- and muscle damages acute</i>	Acupuncture	----	Nogier A, (B)	----	30-300Sek	3 - 5 mal
<i>Tendon-,ligament- and muscle damages chron.</i>	Acupuncture	----	Nogier B,C	----	30-600Sek	3 - 10 mal
<i>Muscle relax.</i>	Normal /	no	3 500	100 %	600 Sek.	2 - 5mal
<i>Muscle relax.</i>	Acupuncture	----	Nogier C, E, F	----	600 Sek.	2 - 5mal
<i>Neuralgien, spine syndrome</i>	Normal	no	965 / 2400	80 %	240 Sek.	4 - 10 mal
<i>Neuralgien, spine syndrome</i>	Acupuncture	----	Nogier A, C, E	----	240 Sek.	4 - 10 mal

Indication Proposals 3

Indication adjustments	Normal / Acupuncture	Alfa - Frequenz yes / no	Frequenz	Amplitude	Time/Sek.	Treatment how often
<i>Fractures</i>	Normal	no	6 500	100 %	240 Sek.	4 - 10 mal
<i>Fractures</i>	Acupuncture	----	Nogier B, C, F	----	240 Sek.	4 - 10 mal
<i>Eczemas acute</i>	Normal /	yes	965	80 %	240 Sek.	3 - 5mal
<i>Eczemas chron.</i>	Normal /	no	9 500	100 %	240 Sek.	4 - 10 mal
<i>Eczemas acute</i>	Acupuncture	----	Nogier A, (B)	----	240 Sek.	3 - 5mal
<i>Eczemas chron.</i>	Acupuncture	----	Nogier B, F	----	240 Sek.	4 - 10 mal
<i>Sinusitis, Stomatitis, Gingivitis, Otitis</i>	Normal	yes	965	60 %	180 Sek.	2 - 4 mal
<i>Sinusitis, Tonsillitis, Gingivitis, Otitis</i>	Acupuncture	----	Nogier A + Bahr 1	----	180 Sek.	2 - 4 mal
<i>Illnesses(Diseases) of the teeth</i>	Acupuncture	----	Nogier A,G + Bahr 1,7	----	180 Sek.	2 - 4 mal
<i>Regeneration in general</i>	Acupuncture	----	Nogier A, B, F	----	240 Sek.	3 - 5mal
<i>Analgetic in general</i>	Acupuncture	----	Nogier C,D,G + Bahr 8	----	240 Sek.	3 - 5mal

References:

- Akademie für Tierärztliche Fortbildung – ATF: Course Script Akupunktur 2003/04
Deutsche Ärztesgesellschaft für Akupunktur – DÄGfA: Course 1-3 Script 2002
Jacques Elias (1996): Laser-Akupunktur
J.-Y. Guray, E. van den Bosch (2002): Praxis der Pferdeakupunktur
International Veterinary Acupuncture Society – IVAS: Course Script 2008
Uwe Petermann (2007): Pulse Controlled Laser Acupuncture Concept in Horses and Dogs
Pekka J. Pöntinen (1992): Low Level Laser Therapy as a Medical Treatment Modality
Peter Rosin, Anja Füchtenbusch (2006): Lasertherapie und Akupunktur bei Pferden
Allen M. Schoen (2003): Akupunktur in der Tiermedizin
Are Simeon Thoresen (2002): Alternative and complementary Veterinary Medicine
Lutz Wilden (2002): Der Wirkungsmechanismus von Low Level Laser Strahlung auf Zellen
Andreas Zohmann, Markus Kasper (1994): Neuraltherapie in der Veterinärmedizin