

Photodynamic Therapy (PDT) for Skin Cancer



Q.Light® PRO is a modular phototherapy system

- ❖ With interchangeable PDT Diagnosis and Therapy filter modules it makes a practical and highly competitive light source for Photodynamic Therapy.
- ❖ Add any or all of the six filter modules in the Medical Professional set to gain access to a wide range of proven therapies using different light frequencies.

As cases of skin cancer increase, PDT is moving into more and more treatment centres, including GPs' surgeries. With a choice of stands and the ability to upgrade when desired, **Q.Light® PRO is ideal for all hospitals and skin cancer clinics.**

Photodynamic Therapy for skin cancer

PDT requires a source of light of correct wavelength and sufficient intensity to activate a photosensitising cream, such as Metvix®. For optimal therapeutic effect a source of red, incoherent light is required (Szeimies et al. 1996; Fijan et al. 1995). Usually a dedicated light source is purchased which is expensive and, by its very nature, of no use for anything else.

Q.Light® PRO is a modular system



Q.Light® PRO has built in aperture control and timer. With the PDT Treatment filter module inserted it emits red, incoherent light in the spectrum from 620nm to 780nm. In accordance with

the table below, this produces light treatment times of between 13 and 45 minutes with the median time approx 25 min.

Photodynamic Therapy (PDT) filter modules

The development of the PDT Treatment filter module has been based upon successful research into photodynamic therapy and, since 2004, upon clinical licensing from Metvix®. It has been especially developed for dermatologists and complies with regulations for medical products as set out in the Guidelines for Medical Products 93/42 EWG, also it has certification status based on the international standards and requirements for regulatory purposes of DIN EN ISO 13485:2003.

PDT Diagnosis

Blue light 385-480nm for diagnosis.



PDT Treatment

Red incoherent polarised light 620-780nm; delivers 70mW/cm² (4.2J/cm²) at max treatment distance 16.5cm with treatment diameter 16.5cm.



Indication	Sensitiser	Metvix® application	Light dose	Complete remission rate
Actinic Keratosis	ALA and Metvix®	3 – 8 hours	60 – 150 J/cm ²	71 – 100%
Morbus Bowen (Bowens disease)	ALA and Metvix®	4 – 8 hours	80 – 180 J/cm ²	90 – 100%
Basal Cell Carcinoma (Superficial)	ALA and Metvix®	4 – 8 hours	100 – 180 J/cm ²	80 – 95%
Basal Cell Carcinoma (Knotted)	ALA and Metvix®	4 – 8 hours	100 – 180 J/cm ²	20 – 60%

Indication for PDT in Dermatology:

Pre-cancerous	Actinic Keratosis (also Arsen-inuziert) Morbus Bowen	Tumours	Basal Cell Carcinoma Gorlin-Goltz-Syndrome Initial spinozellulares Carcinoma
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General information



Q.Light® PRO is supplied on the sturdy and flexible 'Regular stand' (left) for confined spaces or on the 'PRO-Plus' stand (right) with extended reach for clinics and hospitals. 'PRO-Plus' now includes additional lower shelf and wire storage basket (not shown).

Q.Lights® are CE marked medical products, made in Switzerland by Q.Products AG (Biotechnology & Photomedicine).

For details visit: www.mediluxprofessional.net Enquiries: office@mediluxprofessional.net

NOTE: Medilux Healthcare Ltd. offers medical devices on the basis of the Manufacturers' representations as to quality and efficacy. Any further guidance as to conditions which may benefit from use of the goods is based purely on our own opinions and beliefs regarding general application. We do not guarantee that goods will be suitable or effective for all purchasers and we do not advise on individual cases.





b & p® Deutschland
Inh. Gerhard Mantel
Otto-Hahn-Str. 13
88131 Lindau

HUMAINE Vogtland-Klinikum Plauen GmbH
Klinik für Hautkrankheiten und Allergologie
Chefarzt: Prof. Dr. med. habil. L. Kowalzik

Maximilian-Kolbe-Weg 1a, D-08529 Plauen
PF 100153, D-08505 Plauen

Telefon: 03741-492416
Telefax: 03741-492411

E-mail: l.kowalzik@vogtland-klinikum-plauen.de

Plauen, den 23/02/2005
Diktatzeichen: Prof. Ko/Sch

Sehr geehrter Herr Mantel,

im Rahmen der Photodynamischen Therapie kam das Lichttherapiegerät **Q.Light® PDT**, der Firma **b & p® Schweiz AG** in unserem Hause mehrfach zum Einsatz.

Das Lichttherapiegerät entspricht den Anforderungen der PDT, so dass der Behandlungsverlauf sowie die Ergebnisse den Erwartungen entsprachen.

Ich kann die **Q.Light® PDT** zur Behandlung der bekannten Indikationen empfehlen.

Mit freundlichen Grüßen

Prof. Dr. med. habil. L. Kowalzik
Chefarzt der Klinik

Academic Teaching Hospital of the University of Leipzig

HUMAINE Vogtland-Klinikum Plauen GmbH
Clinic for Skin Diseases and Allergies
Head Doctor: Prof L Kowalzik

Maximilian-Kolbe-Weg 1a, D-05529 Plauen
PF 100153, D-08585 Plauen

E-mail: l.kowalzik@vogtland-klinikum-plauen.de

Plauen, 23/02/05

b&p Deutschland
Inh Gerhard Mantel
Otto-Hahn-Str. 13
88131 Lindau

Dear Herr Mantel,

In the field of Photodynamic Therapy we have used the Q.Light® PDT from the company b&p® Schweiz AG (Translators note: company now renamed Q.Products AG, Switzerland) in our establishment numerous times.

The phototherapy device meets the requirements for PDT, in that the course of treatment and the results corresponded to expectations.

I can recommend Q.Light® PDT for the treatment of the well-known indications.

Prof. L. Kowalzik
Head Doctor of Clinic

Dr. med. Raoul Hasert
Facharzt für Dermatologie und Venerologie

Dr. med. Raoul Hasert · Friedrichstraße 113 A · 10117 Berlin

Friedrichstraße 113 A
10 117 Berlin

G. Trügel
W.-Busch Str. 8
08062 Zwickau

Tel.: 0 30 - 2 81 72 30
Fax: 0 30 - 2 80 80 38

14.02.2005

Betreff: PDT Gerät der Fa. b & p

Sehr geehrte Damen und Herren,

über einen Zeitraum von 3 Monaten habe ich mit o.g. PDT Gerät 12 Patienten mit aktinischen Keratosen behandelt. Dabei wurde eine ALA-Rezeptur genutzt. Nach 3-5 halbstündigen Bestrahlungen in 2-wöchigem Abstand zeigten sich gute klinische Ergebnisse.

Mit freundlichen Grüßen

Dr. med. Raoul Hasert

Konservative Dermatologie
Akne
Mykologie
Allergietestungen
Hyposensibilisierungen
Dermatooonkologie
Ambulante Chemotherapie
Ambulante Immuntherapie
Hochauflösende Sonographie der Lymphknoten und der Weichteile
Feinmodelaspirationszytologie
Dermatooonkologische Operationen
Dermatodästhetik
Lasetherapien wie Haarepilation
Tattoofernung
Falten- und Narbenglättung
Besenreiterentfernung
Fettabsaugung · Schlupfildoperation
Schweißdrüsenangukürettage
Faltentherapie
Lippenaugmentation

Dr Raoul Hassert

Specialist for Dermatology and Venereology

Friedrichstrasse 113 A
10 117 Berlin

14.02.2005

Reference: PDT Device from manufacturer b & p

(Translator's note: b&p AG now renamed Q.Products AG)

Dear Sirs,

Over a period of three months I have treated 12 patients with actinic keratosis with the above-named PDT device. An ALA sensitiser was used with it. After 3-5 half-hour irradiations at two-week intervals they showed good clinical results.

Yours faithfully

(Sgd.)

Dr med. Raoul Hasert.