## LaserCollege Courses

Advanced Aesthetic **Technologist Course** (English)

www.lasercollege.org/multidisciplina

ry-therapist-course/

Avant-garde Laser Therapist Course

www.lasercollege.org/avant-garde

-laser-course/

Practical on-site training

(English)

(English)

www.lasercollege.org/practical-on-

site-training/



Praktijkgerichte opleiding

bij u op locatie (Nederlandstalig) https://lasercollege.be/optimaliserenvan-laser-of-ipl-behandelingen-voor-

definitief-ontharen/

Photobiomodulation Therapist Course (English)

www.lasercollege.org/photobiomodul ation-therapist-course/



Advanced Laser Hair (English)

www.lasercollege.org/laser-and-ipl-Removal Therapist Course hair-removal-therapist-course-page/

Geavanceerde Laserontharing Therapeut Cursus

ontharen-met-laser-en-ipl/

https://lasercollege.be/definitief-



Advanced Laser Tattoo

(Nederlandstalig)

www.lasercollege.org/laser-tattoo-Removal Therapist Course removal-therapist-course-page/



Laser Lipo And Body-Sculpting Therapist

Course (English)

(English)

www.lasercollege.org/laser-lipo-

therapist-course-page/



# Light therapy (photobiomodulation) in the beauty salon.

Raymond Fisher Schoeman

#### © 2023 Raymond Fisher Schoeman

Published by LaserCollege

Postnet Suite 03 Private Bag X33 Lynnwood Ridge 0040 Pretoria, South Africa

www.lasercollege.org info@lasercollege.org

Published 2023

ISBN: 9789464928105

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means—electronic, photocopying, recording, or otherwise—without the prior written permission of the author. Image on the front page: master1305 on Freepik. The only exception is short quotations in printed reviews

5

# **Table of Contents**

| Introduction  | 9  |
|---|----|
| The purpose of the book   | 9  |
| Introduction to light therapy and its application in the beauty salon | 10 |
| Overview of the benefits and potential results                        | 12 |
| The Science behind light therapy                                      | 14 |
| The mechanism of action of light therapy in a beauty salon            | 14 |
| Key biochemical reactions occurring during the therapy                | 17 |
| Supporting scientific studies and clinical evidence                   | 19 |
| Applications of light therapy in the beauty salon                     | 21 |
| Skin Rejuvenation and anti-ageing effects                             | 21 |
| Acne treatment and management of skin inflammation                    | 23 |
| Improvement of skin texture and tone                                  | 25 |
| Stimulation of hair growth and treating hair-related issues           | 27 |
| Safety and Guidelines for Use   | 29 |
| Explanation of the correct procedures and precautions                 | 29 |
| Recommended Treatment Schedules and Session Durations                 | 31 |
| The dosage of photobiomodulation                                      | 33 |
| Contraindications and Possible Side Effects                           | 35 |
| Contraindications:  | 35 |
| Possible Side Effects:  | 36 |
| Equipment and Technology  | 37 |
| Overview of Various Types of Light Devices for Professional Use       | 37 |
| LED (Light Emitting Diode) Panels                                     | 39 |
| LED Lamps   | 41 |
| Laser Devices   | 43 |
| Infrared Devices  | 45 |
| Selection Criteria and Purchase Recommendations                       | 49 |
| Practical Implementation in the Beauty Salon                          | 51 |
| Integration of Red Light Therapy into Existing Treatments and         |    |
| Protocols   | 51 |
| Combined with Various Treatments                                      | 53 |
| Facial Treatments   | 55 |
| Microneedling   | 57 |

| Chemical Peels   | 58 |
|--|----|
| Acne Treatments  | 59 |
| Skin Rejuvenation Treatments   | 60 |
| Hair Growth Treatments   | 61 |
| Slimming and Body Sculpting  | 62 |
| Improves Blood Circulation and Lymphatic Drainage                    | 64 |
| Stimulates Metabolism  | 65 |
| Improves Collagen and Elastin Production                             | 66 |
| Supports Muscle Recovery and Toning                                  | 67 |
| Effects of Different Wavelengths (Colors) of Light                   | 68 |
| Red Light  | 70 |
| Near-Infrared (NIR) Light  | 72 |
| Blue Light   | 74 |
| Green Light  | 76 |
| Yellow Light   | 78 |
| Customer Information and Education on the Benefits of Therapy        | 79 |
| Marketing Strategies to Promote Therapy                              | 81 |
| Conclusion: A Glimpse into the Future of Light Therapy in the Beauty |    |
| Industry   | 83 |

#### Introduction

### The purpose of the book

The purpose of the book on light therapy (photobiomodulation) in the beauty salon is to provide a comprehensive guide for beauty specialists and other professionals in the beauty industry interested in implementing this therapy in their practice. The book aims to give readers a clear understanding of (red) light therapy, including the scientific basis, applications, safety guidelines, and practical implementation.

Through this book, I aim to educate beauty specialists and professionals about the benefits and possibilities of light therapy for various skin conditions and beauty treatments. It serves as a reliable source of knowledge and practical tips, enabling readers to apply light therapy effectively and safely in their salons.

In essence, the goal of the book is to provide a comprehensive resource that empowers beauty specialists and professionals to comprehend, apply, and communicate the benefits of light therapy to their clients while adhering to best practices and safety and quality guidelines.