Equine Photonic Red Light Therapy

COURSE INSTRUCTOR:
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Master JENT Bodyworker (MJENT)
Master Red Light Therapist (MRLT)
MOSS VALE, NSW. AUSTRALIA
Certified Veterinary Chiropractic Practitioner (CVCP) US
Laser Therapist (Advanced) US

COURSE DESCRIPTION:
This Outline covers the new 2018 updated 5 day Red Light Therapy Certification course. It is the only course available internationally which offers students over 40hrs of onsite training under professional supervision.

To learn safe and effective techniques, using 630-670nm Red Light for Photobiomodulation and Photonic Therapy to stimulate and restore physiological equilibrium in horses.

The course integrates the latest scientific research and the Traditional Chinese Medicine meridian and acupoint system. Emphasis is also placed on developing student skills in the assessment of the equine body, the appropriate application of Red Light Therapy and the evaluation and interpretation of responses to the therapy.

The syllabus provides both practical and documented education in the identification of negative postural conformation and gait variances, extensive testing for both external and internal dysfunction and inefficiency in the equine body systems, and an advanced approach to developing skills in the application of Red Light Therapy and incorporating it into existing and future Practices.

This course is a required module of the JENT Bodywork Certification, and may also be attended by independent others wishing to be certified in Equine Red Light Therapy. Veterinarians, massage and physical therapists, chiropractors, farriers & dentists have attended previous classes in order to incorporate this effective and complimentary therapy into their skill set. Instructors, trainers, managers and horse owners are also very welcome to further their education and to learn to take a more proactive role in equine health and performance.

After completing the training program and required externship (within 4 months), the student will be able to evaluate posture & movement, test the equine body to determine both external and internal issues, determine through clinical reasoning processes appropriate application of the Therapy and confidently use it in both urgent and ongoing situations.

The class is limited to a maximum of 14 registrations. An experienced Technical Assistant also attends all practical training if there are more than 6 participants.

PREREQUISITES:
Students must come to class with prior knowledge of particular subjects and some experience with Red Light therapy. This information is delivered by email as a Study Guide after your registration is processed. It includes fundamental equine anatomy including structures of the body necessary for locating acupoints and the basics of Red Light Therapy. The ERLT Study Guide is based around 12 hours of study.

Participants must have good horse ground handling skills and be comfortable working with strange horses in generally quiet situations.

Students must own an approved Red Light to attend (see below). Students are required to sign a Risk Assessment declaration and a Copyright declaration prior to taking the class.
TOTAL TRAINING HOURS:

<table>
<thead>
<tr>
<th>Study Components</th>
<th>Hours</th>
<th>Total Hours</th>
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<tbody>
<tr>
<td>Prior home study (Study Guide)</td>
<td>12</td>
<td>12</td>
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<td>Classroom hours during course</td>
<td>12</td>
<td>24</td>
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<tr>
<td>Hands-on practical hours during course</td>
<td>27</td>
<td>51</td>
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<tr>
<td>Independent evening study during course</td>
<td>4</td>
<td>55</td>
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<tr>
<td>Required externship after course (12.5hrs per month)</td>
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<td>105</td>
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<tr>
<td>Total Course Hours</td>
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<td>105hrs+</td>
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ATTENDANCE:

Students must attend all 5 consecutive days. Class begins at 8:30am SHARP and teaching finishes at 5:00pm. An additional 1 hour of evening study for the 4 nights during the course is required.

Lunch each day is 45 minutes with short tea breaks at suitable intervals.

COURSE OBJECTIVES:

- Course design uses brain compatible processes to accelerate your learning capacity
- Total learner involvement and collaboration in a comfortable, positive environment with a variety of contextual learning styles to assist all students to gain results
- To ensure students gain a thorough understanding of the science and efficacy of Red Light Therapy as a beneficial health care modality
- To provide a strong knowledge base and practical experience in ‘reading’ the equine body through the development of assessment skills: observation, examination, palpation, and responses to acupoint tests
- To select and administer effective acupoint plans for acute and chronic conditions
- To locate acupoints accurately on the equine body
- To learn to interpret horse responses and make appropriate judgments in the speed of delivery and when to conclude a session
- To learn to map and affect the electromagnetic radiation pathways (meridians) of the equine body
- To develop the student’s therapeutic acumen with a confidence horses can trust
- To document and report on the horse’s progress to a client in a professional and logical language
- To learn the strengths and limitations of the students own proficiency
- To learn appropriate methods of referral to a veterinarian or other equine health care professional

COURSE ACTIVITIES AND PRESENTATION:

On registration, students receive the Study Guide prior to class commencement for approximately 12 hours of independent preparatory home study. This prior study ensures all students enter the class with the same required knowledge no matter what their experience. Students are provided with a comprehensive colour manual on the first day. Shorter theory lectures are held at the start and end of each day. The emphasis of this class is hands-on practical training.
Lectures are presented using Power Point for visual learning assistance, videos of case studies for comparisons and methodology, and drawings and specimens of the equine skeleton to prepare students for the practical exercises. Practical classes are supervised and monitored to ensure students succeed at all tasks and the environment remains safe. Class numbers are restricted to ensure one on one guided practice in the practical sessions.

Each evening students are required to review the days learning, to complete a short open book quiz and to read selected pages in preparation for the next day. The quizzes are reviewed in class each morning for student self-assessment.

In order to give the class a range of experiences, a number of suitable horses are provided for use. Practical portions involve students working in pairs with a Group 1 case study horse on days 1, 3 & 5 to administer the therapy, observe and note progress, apply the Therapy and document results.

On days 2 & 4, students work on a variety of horses, Group 2. These horses provide practice in the applications of ERLT such as running electromagnetic channels/meridians, Photobiomodulation and Photonic Therapy for a number of conditions, and reading equine body language, all essential skills in which students gain professional standards in this modality. The instructor demonstrates each task and technique after which the students immediately repeat and practice the exercise under observation, evaluation and assistance if required.

On the fifth day, each Case Study horse has a final RLT session in the morning and a re-assessment of posture and gait in the afternoon. Each pair of students then presents a summary of their case study findings and recommendations to the rest of the class. Lively discussion ensues thereafter with teacher and student’s sharing of ideas and experiences.

CERTIFICATION: After successfully completing the Field Work Externship, Graduates receive a Certificate and a statement of Attainment listing skills, proficiencies and competency expertise. And the title of: Certified Equine Red Light Therapist (CERLT) by the JENT Institute of Education & Training.

REQUIRED READING:

1. ERLT Study Guide
2. Equine Red Light Therapy Quick Reference Charts 2017 by Dianne Jenkins

SUGGESTED READING:

1. Veterinary Acupuncture Ancient Art to Modern Medicine by Allen M Schoen
2. Acupressure Point Charts for Horses by Diana Thompson

APPROVED RED LIGHTS:

It is essential students own an approved Red Light (or combination of) to use during the course and afterwards during the externship to gain certification. Approved lights are defined by their capability to be used in both applications, Photobiomodulation (direct application to larger sites of damaged tissue) and Photonic Therapy (indirect application to acupoints).

1. Quantum WARP 10 (alone)
2. JENT Red Light Bank (alone)
3. AAH torch plus one of the above or a Red Light Wrap/Pad
4. Photonic Health torch with 1., 2., or a Red Light Wrap/Pad
### COURSE STRUCTURE:

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<tr>
<th>Topic No:</th>
<th>Topic</th>
<th>Unit</th>
<th>Unit Title</th>
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<tr>
<td>1</td>
<td>The Neuro-Physiology of Red Light</td>
<td>1.1</td>
<td>Science and efficacy of Red Light</td>
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<td>1.2</td>
<td>Benefits of Red Light Therapy</td>
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<td>1.3</td>
<td>Brain Based Healing Mechanisms</td>
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<td>2</td>
<td>Red Light Technology</td>
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<td>Red Lights &amp; Specifications</td>
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<td></td>
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<td>2.2</td>
<td>Technical Skills for using Red Lights</td>
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<td>3</td>
<td>Traditional Chinese Medicine</td>
<td>3.1</td>
<td>Basic TCM Principles &amp; the Meridian System</td>
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<td>3.2</td>
<td>Meridians, Acupoints &amp; Locations</td>
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<td>3.3</td>
<td>Integrating Red Light Science with TCM</td>
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<td>4</td>
<td>Equine Anatomy &amp; Physiology</td>
<td>4.1</td>
<td>Basic Muscular &amp; Skeletal Anatomy 101</td>
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<td>4.2</td>
<td>Anatomical Directional Terms</td>
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<td>4.3</td>
<td>Using Anatomy Resources to locate Acupoints</td>
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<td>5</td>
<td>Workplace Health &amp; Safety</td>
<td>5.1</td>
<td>Safe Environment &amp; Handling</td>
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<td>5.2</td>
<td>Safe RLT Therapeutic Practices</td>
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<td>5.3</td>
<td>Contraindications</td>
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<td>6</td>
<td>Observations</td>
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<td>Skeletal Conformation 101</td>
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<td>Postural Conformation 101</td>
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<td>Gait Evaluation 101</td>
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<td>7</td>
<td>Red Light Therapy Practice</td>
<td>7.1</td>
<td>Recommended Devices Kit</td>
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<td>7.2</td>
<td>Conducting a Therapeutic Intervention</td>
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<td>Opening and closing procedures</td>
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<td>Palpation &amp; Acupoint Test Assessment</td>
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<td>First Aid Management</td>
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<td>Wound Management</td>
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<td>Selecting an appropriate Session Plan</td>
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<td>Locating and activating Acupoints</td>
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<td>7.9</td>
<td>Detecting, assessing and interpreting change</td>
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<td>7.9.1</td>
<td>Integrating Red Light with Other Therapies</td>
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<td>8</td>
<td>Foundations of Practice</td>
<td>8.1</td>
<td>Ethics and Basic Business Practices 101</td>
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<td>8.2</td>
<td>Reporting Sessions and Case Studies</td>
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<td>8.3</td>
<td>Therapeutic Communication with Horses</td>
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<td>8.4</td>
<td>Effective Client Communication 101</td>
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<td>8.5</td>
<td>Principles of Assessing Horses 101</td>
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<td>8.6</td>
<td>ERLT Session Planning</td>
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<td>8.7</td>
<td>Appropriate post session Exercise and After Care</td>
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<td>8.8</td>
<td>Effects of Environmental Factors on Therapeutic Success</td>
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<td>8.9</td>
<td>Referring to other Professionals 101</td>
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COURSE OUTCOMES:

After completing this course the successful student will be able to:

- Set up appropriate environmental conditions for Red Light Therapy interventions
- Foresee at all times potentially unsafe situations arising
- Understand and explain the scientific actions of Red Light Therapy
- Understand the basic principles of integrating the science of Red Light with the Traditional Chinese Medicine (TCM) Meridian System
- Objectively evaluate basic equine conformation, symmetry, posture and movement
- Palpate with confidence and identify the surface anatomy of the horse
- Test particular acupoints to determine areas of the body needing attention
- Prioritise the presenting issues and prepare appropriate session plans
- Use resource descriptions to accurately locate acupoints
- Recognise and define excesses and deficiencies in electromagnetic energy
- Confidently apply Red Light Therapy in urgent situations
- List and define the acupoints belonging to TCM groupings
- Confidently recognise support and maintain optimum health and movement
- Understand chronic conditions and choose an appropriate intervention
- Record and grade tests and findings in the provided professional tables
- Check equine vital signs efficiently and recognise normal ranges
- Confidently recognise alert signs when an intervention must slow down or stop
- Evaluate the improvement of the horse to determine progressive sessions
- Devise an appropriate exercise program after each session
- Communicate effectively with both horse and client
- Teach interested clients how they can participate in continuing ERLT sessions

POST COURSE FIELD WORK & EXTERNSHIP:

Submission Evaluation: Certification is earned by passing the required externship which involves the practice and documentation of learning activities and case studies in the field following the course. Students have 4 months from the last course date to submit their completed externship.

A score of 70% is required to pass. Should the student not reach the pass mark for 1 or 2 sections of the externship, they will be informed of the corrections necessary and may resubmit those portions again. Students not passing more than 2 sections are required to repeat the whole externship. Three resubmissions (including portion attempts) are permitted.

Students must demonstrate throughout the externship their understanding of the material and concepts taught in class to receive certification. Students will receive notification when their submission has been received. Marking will be within a 6 week turnaround. Students will be notified immediately if there are any unexpected delays with results.
EXTERNSHIP DETAILS:

Detailed information and discussion of Externship Documentation and Guidelines will be presented in the class

1) CASE STUDIES

Horses selected for case studies 1, 2 & 3 are to have only Red Light Therapy during the period of externship ERLT sessions. This is absolutely necessary for students to learn the capacities and limitations of ERLT after which they can safely and effectively integrate red light with other therapies in the future.

Students to choose 4 separate equine subjects for the 4 Case Studies required.

Professional Therapists (please inquire if clarity is needed) & Non Professionals:

Case Study 1
Objective - to observe and learn the effects of progressive RLT on a subject not in work
Subject - Horse that has never had Red Light Therapy
Work over the 3 week period - None
Issues or conditions - May have known or unknown issues
Number of Sessions - 8 sessions over 3 weeks.
  Initial session only Photobiomodulation
  Full Observations & History reports
  Last session can be just final assessment and gait analysis plus recommendations for owner and a final summary

Case Study 2
Objective - to observe and learn the effects of progressive RLT on a subject in work
Subject - Horse that has never had Red Light Therapy
Work over the 3 week period - 3 days of rest or led walking. No lungeing, driving or riding. May be worked after the second session
Issues or conditions - May have known or unknown issues
Number of Sessions - 8 sessions over 3 weeks.
  Initial session as per manual only Photobiomodulation plus full Observations & History reports.
  Last session can be just final assessment and gait analysis plus recommendations for owner and a final summary

Case Study 3
Objective - to administer ERLT and report on 2-3 sessions in an urgent or first aid situation
Subject - Any horse (not subject 1 or 2) May or may not have had RLT in the past
Work period - None unless on vet advise
Issues or conditions - Horse with a new injury or condition, e.g. colic, bleeding, shock, severe wound, eye condition, recent injury to a joint or undefined new lameness. Do not choose long standing issues such as a long term joint injury (this example would be better as one of the other case studies).
Number of Sessions - 2 - 3 only. Initial session to be only a session plan appropriate for the issue
Last session can be just final assessment and gait analysis plus recommendations for owner and a final summary
Report clearly only the Initial history and observations relevant to the situation until the issue settles down. Fill in the EPRLT Session Report each visit and a final summary at the end. Include vet intervention & recommendations if attended.
Case Study 4: This case study is to be the last performed

a) Practicing professionals

Objective - to include, interpret and discuss the outcomes when integrating ERLT with your other bodywork

Subject - Any one of your current clients’ horses you have worked on within the last 2 months with another therapy(s).

Work period - Advise as you see fit

Issues or conditions - Whatever is presenting

Number of Sessions - 3 separate session no more than 2 weeks apart

Integrate ERLT into your routine at the end of your first session; at the beginning of the second session; and interspersed throughout the third session. Report on the different methods of blending the therapies and the results. Add your own therapy moves to the Session report and include the drawing with acupoints selected drawn on it). Final Observations form plus a minimum of ½ page summary about the differences observed to the usual outcomes of the other therapies. Comment on owner observations and how you will continue to use ERLT in the future (more details discussed in the class)

b) Non professionals

Objective - to gain experience with different horses in only 3 sessions. Horse may or may not have had bodywork prior.

Subject - Any horse you are not familiar with, of a different age, breed and condition to the Case Study subjects 1 & 2

Work period - In work or not in work

Issues or conditions - Whatever is presenting

Number of Sessions - 3 separate sessions no more than 1 week apart

Report on each session and all changes observed. Use Initial History & Observations form and a shortened Evaluation & Reflex Test Results Table with a detailed summary and recommendations for the owner. Report on the differences noted between this horse and the first two.

Case Study Forms and more details are in the course manual

2) ESSAY

One essay is required, a minimum of 2 pages long at 12 font, single spacing.

Include your experiences throughout this externship, difficulties and issues that arose, how you dealt with them in the field, how you related to the owners and what you learned from those experiences. Compare the responses of the case study horse not in work and the case study horse in work.

Please note!

The website is undergoing a makeover at present (January 2018) so is not showing details. Inquiries welcome to our temporary email address jentoffice@gmail.com