equilume circadian lighting

A NEW LIGHT ON PPID MANAGEMENT



Make research-backed blue light part of your approach to PPID care:
Complementary support for hypertrichosis, coat condition and abnormal seasonal shedding.

WHY PHOTOPERIOD Matters in PPID

Hypertrichosis and poor seasonal shedding are hallmark clinical signs of PPID. Seasonal coat change is strongly influenced by photoperiod via retinal blue-light input and downstream circadian, melatonin and prolactin-linked pathways.

WHAT THE Research Supports

Hypertrichosis and poor seasonal shedding are hallmark clinical signs of PPID. Seasonal coat change is strongly influenced by photoperiod via retinal blue-light input and downstream circadian, melatonin and prolactin-linked pathways.

- Lower overall hair weights in treated horses
- Spring shedding advanced by approximately one month
- Participant-reported improvements in coat condition, PPID clinical signs and quality of life
- Appropriate as a complementary tool alongside pergolide and veterinary management

HOW TO USE THE Equilume® PRO Light Mask

In a 13-month field study, shedding was advanced by one month in the Equilume® group, and higher shedding scores were also observed in November and December. These findings support a more prolonged improvement in seasonal coat transition.

This aligns with participant-reported coat condition improvements in the treated group, including a significant end-of-study advantage for overall coat condition (P = 0.04).

- Used daily to extend photoperiod to 15 h
- Recharge weekly; remove for grooming and exercise
- Delivers low-intensity blue light (456 nm) to one eye
- Comfortable, adjustable and suitable for routine use



HOW IT WORKS

- Retinal blue-light input signals the circadian system
- Supports seasonal pathways involved in coat growth and shedding
- Designed to complement veterinary management of PPID-associated hypertrichosis

RESEARCH
Results

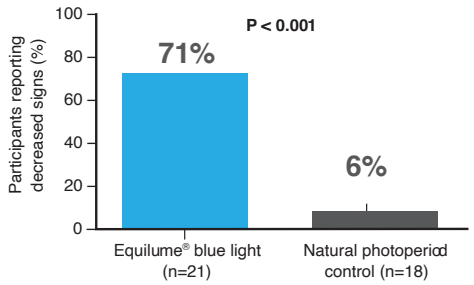
Hypertrichosis and poor seasonal shedding are hallmark clinical signs of PPID. Seasonal coat change is strongly influenced by photoperiod via retinal blue-light input and downstream circadian, melatonin and prolactin-linked pathways.

Hypertrichosis-related clinical signs reduced

End-of-study participant report

Hypertrichosis-related signs were reported as decreased by 71% of treated respondents versus 6% of controls.

Percentage of reported decreased signs



Advanced spring shedding and active into fall

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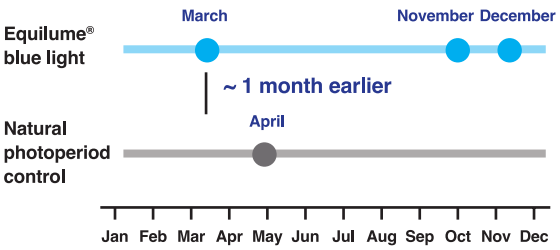
Time of peak shedding

13-month PPID field study (P < 0.05)



OWNER PERSPECTIVE:

After using Equilume®, Page shed much more quickly and thoroughly than in years past. I am delighted with the improvement in her condition.

REBECCA B. | FROM MISSOURI
Individual owner report.





PUBLISHED RESEARCH
in PPID horses

Two peer-reviewed studies support Equilume® as a complementary management tool for PPID-associated hypertrichosis and seasonal coat change.

- ✓ Lower overall hair weights vs controls
- ✓ Spring shedding advanced by approximately one month
- ✓ Participant-reported improvements in coat condition, PPID clinical signs and quality of life
- ✓ Most horses in the 13-month study were receiving pergolide (44/52), supporting use alongside standard therapy



52 owners of PPID horses participated in this study alongside researchers at University College Dublin and University of Kentucky.

Clinical Context:

A controlled research study did not show a reduction in seasonal ACTH levels in treated horses, so blue light therapy represents a practical adjunct to routine veterinary management.

Participant-reported outcomes

- ✓ **Clinical Signs:** improved more often in treated horses (P = 0.02)
- ✓ **Quality of life:** improved more often in treated horses (P = 0.03)
- ✓ **Coat condition:** improved more often in treated horses (P = 0.04)

RESEARCH-BACKED COMPLEMENTARY MANAGEMENT TOOL

Taken together, published evidence supports Equilume® Light Masks as a research-backed complementary management tool for PPID-associated hypertrichosis, coat condition and abnormal seasonal shedding.

References: Miller AB, Murphy BA. Dom Anim Endocrinol. 2022;78:106651. Panmartier S, et al. Animals 2025;15:2905.