CLAIMS

1. A medical apparatus comprising:

a radiation source for emitting electromagnetic radiation towards one or both eyes of a patient;

wherein the apparatus is configured to emit electromagnetic radiation having a ratio of scotopic luminous intensity to photopic luminous intensity of at least 1.85:1.

2. A medical apparatus as claimed in claim 1 wherein the electromagnetic radiation reaching the eye of the patient has a range of wavelengths and less than 3% of the total radiation has a wavelength less than 470 nm.

3. A medical apparatus as claimed in any preceding claim wherein the radiation source is an OLED or LED.

4. A medical apparatus as claimed in any preceding claim wherein the radiation source comprises fluorescent or phosphorescent material.

5. A medical apparatus as claimed in any preceding claim wherein the medical apparatus comprises a facial mask.

6. A medical apparatus as claimed in any preceding claim wherein the apparatus further comprises an optical filter provided adjacent the radiation source, the optical filter arranged to alter the electromagnetic radiation emitted to have the ratio of scotopic luminous intensity to photopic luminous intensity of at least 1.85:1.

7. A medical apparatus as claimed in any preceding claim wherein the ratio of scotopic luminous intensity to photopic luminous intensity is at least 2:1.

8. A medical apparatus as claimed in claim 7 wherein the ratio of scotopic luminous intensity to photopic luminous intensity is at least 3:1.

9. A medical apparatus as claimed in claim 8 wherein the ratio of scotopic luminous intensity to photopic luminous intensity is at least 5:1.

10. A method of manufacturing a medical device, comprising:

providing a radiation source for emitting electromagnetic radiation towards one or both eyes of a patient;

wherein the apparatus is configured to emit electromagnetic radiation having a ratio of scotopic luminous intensity to photopic luminous intensity of at least 1.85:1.

11. A method of treating a human patient with electromagnetic radiation, comprising:

directing electromagnetic radiation having a ratio of scotopic luminous intensity to photopic luminous intensity of at least 1.85:1 towards the eye or eyes of the patient.

12. Apparatus substantially as hereinbefore described with reference to the accompanying drawings.

13. A method substantially as hereinbefore described with reference to the accompanying drawings.

CLAIMS

1. A medical apparatus comprising:

a radiation source for emitting electromagnetic radiation towards one or both eyes of a patient;

wherein the apparatus is configured to emit electromagnetic radiation having a ratio of scotopic luminous intensity to photopic luminous intensity of at least 1.85:1.

2. A medical apparatus as claimed in claim 1 wherein the electromagnetic radiation reaching the eye of the patient has a range of wavelengths and less than 3% of the total radiation has a wavelength less than 470 nm.

3. A medical apparatus as claimed in any preceding claim wherein the radiation source is an OLED or LED.

4. A medical apparatus as claimed in any preceding claim wherein the radiation source comprises fluorescent or phosphorescent material.

5. A medical apparatus as claimed in any preceding claim wherein the medical apparatus comprises a facial mask.

6. A medical apparatus as claimed in any preceding claim wherein the apparatus further comprises an optical filter provided adjacent the radiation source, the optical filter arranged to alter the electromagnetic radiation emitted to have the ratio of scotopic luminous intensity to photopic luminous intensity of at least 1.85:1.

7. A medical apparatus as claimed in any preceding claim wherein the ratio of scotopic luminous intensity to photopic luminous intensity is at least 2:1.

8. A medical apparatus as claimed in claim 7 wherein the ratio of scotopic luminous intensity to photopic luminous intensity is at least 3:1.

9. A medical apparatus as claimed in claim 8 wherein the ratio of scotopic luminous intensity to photopic luminous intensity is at least 5:1.

10. A method of manufacturing a medical device, comprising:

providing a radiation source for emitting electromagnetic radiation towards one or both eyes of a patient;

wherein the apparatus is configured to emit electromagnetic radiation having a ratio of scotopic luminous intensity to photopic luminous intensity of at least 1.85:1.

11. A method of treating a human patient with electromagnetic radiation, comprising:

directing electromagnetic radiation having a ratio of scotopic luminous intensity to photopic luminous intensity of at least 1.85:1 towards the eye or eyes of the patient.