CLAIMS:

1. An irradiation device for insertion into an orifice of the body for providing photodynamic therapy, the irradiation device comprising a housing having a size and shape adapted to be fully inserted and secured in the orifice,

the housing enclosing an LED lamp system comprising at least one LED,

the housing enclosing a power source for powering the LED lamp system,

the power source being arranged within the orifice while being sealed within the housing,

the housing comprising a treatment surface,

with the LED lamp system being arranged to, when the irradiation device is in operation, emit light from the treatment surface;

wherein the treatment surface is at least partially transparent to said light and has a size and shape adapted for complementary fit with a treatment area within the orifice such that, when the irradiation device is in operation, the treatment area is illuminated by said light; and

wherein the irradiation device while located in the orifice does not require connection to an external power supply or light source during operation.

2. An irradiation device as claimed in claim 1 wherein the housing further comprises a flexible outer portion which can, in use, adjust its shape to form a secure fit with the walls of the orifice.

3. An irradiation device as claimed in claim 2 wherein the flexible outer portion forms a continuous surface which tapers outwards towards the rear of the irradiation device.

4. An irradiation device as claimed in claim 2 or 3 wherein the flexible outer portion is formed of a resilient material.

5. An irradiation device as claimed in any one of claims 1 to 4, wherein the treatment surface is formed by a surface of a portion of the housing material, wherein an at least partially transparent material is used to form the housing around the LED lamp system and the treatment surface and wherein and the at least partially transparent material is arranged to diffuse the light emitted from the LED lamp system.

6. An irradiation device as claimed in any one of claims 1 to 5, comprising a switch for activation of the LED lamp system.

7. An irradiation device as claimed in any one of claims 1 to 6 wherein the LED lamp system is arranged to provide, in use, a light intensity in the range of 1 – 50 mW/cm^2.

8. An irradiation device as claimed in any one of claims 1 to 6 wherein the LED lamp system is arranged to provide, in use, a light intensity in the range of 1 – 10 mW/cm^2.

9. An irradiation device as claimed in any one of claims 1 to 8 wherein the at least one LED emits light having wavelengths in the range of 300-800 nm.

10. An irradiation device as claimed in any one of claims 1 to 9, the LED lamp system comprising a control circuit for regulating the irradiation provided by the at least one LED.

11. An irradiation device as claimed in claim 10, wherein the control circuit comprises a receiver for connection to a remote terminal and/or a feedback system and/or one or more performance indicator lights for informing a user whether the irradiation device has operated correctly.

12. An irradiation device as claimed in any one of claims 1 to 11 wherein the irradiation device further comprises a lens system arranged to provide homogenous illumination over the treatment area.

13. An irradiation device as claimed in claim 12 wherein the treatment surface comprises the lens system.

14. An irradiation device as claimed in any one of claims 1 to 13, further comprising a drug carrying area for carrying a composition comprising a photosensitizer or precursor of a photosensitizer, the drug carrying area being provided on the housing.

15. An irradiation device as claimed in claim 14 wherein said composition comprises a 5-ALA ester or a pharmaceutically acceptable salt thereof.

16. An irradiation device as claimed in claim 14 wherein said composition comprises 5-ALA hexyl ester or a pharmaceutically acceptable salt thereof.

17. An irradiation device as claimed in any one of claims 14 to 16 wherein said drug carrying area is the treatment surface.

18. An irradiation device as claimed in any one of claims 1 to 17, wherein the irradiation device is designed for a single-use.

19. An irradiation device as claimed in any one of claims 4 to 18, wherein the flexible outer portion extends away from the treatment surface towards the rear of the irradiation device and tapering outwards such that the widest section of the flexible outer portion is located rearwards of the treatment surface, whereby the irradiation device is adapted to be fully inserted and secured in the orifice.

20. A kit comprising an irradiation device as claimed in any one of claims 1 to 19 and at least one composition comprising a photosensitizer or precursor of a photosensitizer.

21. A kit as claimed in claim 20 wherein said composition comprises a 5-ALA ester or a pharmaceutically acceptable salt thereof.

22. A kit as claimed in claim 20 wherein said composition comprises 5-ALA hexyl ester or a pharmaceutically acceptable salt thereof.

23. A kit as claimed in any one of claims 20 to 22 for use in photodynamic therapy.

24. A kit as claimed in claim 23 for use in the photodynamic therapy of cervical cancer, cervical diseases, lesions or conditions.

25. A kit as claimed in claim 24 wherein those diseases, lesions or conditions are caused by human papillomavirus (HPV) infection.