What is claimed is:

1. A medical tube position confirmation system for confirming the position of a medical tube that is used to supply nutrients to the interior of a body by means of tube feeding while an end portion thereof is inserted into (placed in) the stomach, the system comprising:

a light guide that is configured to guide light entering through an incident end portion so that the light exits through an exit end portion, and is configured to be insertable into the medical tube so that the exit end portion is disposed in the interior of the stomach; and

a light source for emitting light including a wavelength passing through a living body, the light source being optically connected to the incident end of the light guide so that the light enters the light guide; and

a substantially cylindrical scattering part optically connected to the light guide on the exit end portion of the light guide so as to scatter light emitted by the light guide.

2. The medical tube position confirmation system according to claim 1, wherein the scattering part is composed of a resin containing a predetermined scattering material.

3. The medical tube position confirmation system according to claim 2, wherein the predetermined scattering material scatters light with a higher degree of scattering for a shorter wavelength.

4. The medical tube position confirmation system according to any one of claims1 to 3, wherein the scattering part has longer dimensions in a direction parallel with a direction of an optical axis of the light guide than in a direction perpendicular to the direction of the optical axis.

5. The medical tube position confirmation system according to claim 1, wherein the scattering part has a reflecting surface for reflecting light emitted by the light guide.

6. The medical tube position confirmation system according to claim 5, wherein the reflecting surface is formed by aluminum vapor deposition.

7. The medical tube position confirmation system according to claim 5 or 6, wherein the scattering part comprises:

a protruded portion facing the light guide; and

a reflecting surface extended from the protruded portion.

8. The medical tube position confirmation system according to claim 7, wherein the scattering part has a substantially conical shape with the protruded portion at an apex thereof and the reflecting surface on a side surface thereof.

9. The medical tube position confirmation system according to any one of claims1 to 8, wherein the light source is set to emit light at an intensity that equals or exceeds a first intensity required for light to pass from the interior of the stomach to

the exterior of the body but is lower than a second intensity required for light to pass from the interior of the lungs and trachea to the exterior of the body.

10. The medical tube position confirmation system according to any one of claims1 to 9, further comprising an imaging unit for capturing an image of the living body based at least on the light that exits through the exit end portion of the light guide and passes through the living body.

11. The medical tube position confirmation system according to claim 10, further comprising an image data storage unit for storing image data generated when the imaging unit captures an image of the living body.

12. The medical tube position confirmation system according to any one of claims 1 to 9, wherein the scattering part is configured to be capable of being inserted into the medical tube integrally with the light guide.