CLAIMS

1. A natural orifice expansion applicator comprising:

a balloon portion inflatable by a fluid to be introduced inside, ~~and~~

a support supporting a first end of the balloon portion,

a plurality of tubes, and

a connector ~~to~~ for connecting ~~a first end portion of the balloon portion~~ the support and ~~to a~~ the plurality of tubes,

wherein the balloon portion is formed with a first area expanding linearly from the first end portion toward the second end portion at an opposite side and a second area contracting in a curved manner toward the second end portion at a position closer to the second end portion than to the first end portion, and includes a plurality of corner portions extending from the first end portion toward the second end portion;

wherein the corner portion is formed to include a thick portion being thicker than a valley portion between the adjacent corner portions in the first area, and is formed to be as thick as the valley portion in the second area; and

wherein the balloon portion is formed with a light transmitting portion to transmit light, formed in a planar shape being flush with the valley portion at the second end portion.

2. The natural orifice expansion applicator as claimed in claim 1, wherein the support having a reinforcing portion formed to be thick along an outer periphery of the support at a portion contacting the balloon portion. ~~The natural orifice expansion applicator according to claim 1, wherein a valley portion is formed between the adjacent corner portions.~~

3. The natural orifice expansion applicator as claimed in claim 1, wherein the connector is formed of silicon rubber including a large number of fine bubbles. ~~The natural orifice expansion applicator according to claim 1 or 2, wherein the balloon portion expands linearly from the first end portion toward the second end portion.~~

~~4. The natural orifice expansion applicator according to any one of claims 1 to 3, wherein the balloon portion expands linearly from the first end portion toward the second end portion, and contracts toward the second end portion in a curved manner at a position closer to the second end portion than to the first end portion.~~

~~5. The natural orifice expansion applicator according to claim 3 or 4, wherein the corner portion is formed to be thicker than a valley portion between the adjacent corner portions.~~

~~6. The natural orifice expansion applicator according to claim 5, wherein the thick corner portion extends straight from the first end portion toward the second end portion.~~

~~7~~4. The natural orifice expansion applicator according to claim ~~5 or 6~~1, wherein the thick ~~corner~~ portion extends to a position at which an outer periphery of the balloon portion is maximum.

~~8. The natural orifice expansion applicator according to any one of claims 1 to 7, wherein the balloon portion is formed with a light transmitting portion to transmit light, at the second end portion.~~

~~9. The natural orifice expansion applicator according to any one of claims 1 to 7, wherein the balloon portion is formed with a light transmitting portion to transmit light, at between the first end portion and the second end portion.~~