ShangRing Technique
Contribution to the World
The Status of AIDS

**HIV continues to be a major global public health issue, having claimed more than 35 million lives so far. In 2016, 1.0 million people died from HIV-related causes globally.**

There were approximately **36.7 million** people living with HIV at the end of 2016 with **1.8 million** people becoming newly infected in 2016 globally.

**Summary of global HIV epidemic (2016)**

- **36.7 million** people now estimated to be living with HIV (30.8–42.9 million)
- **1.8 million** people newly infected (1.6–2.1 million)
- **1.0 million** HIV-related deaths (0.8–1.2 million)

**Number of people living with HIV in 2016**

- Total 36.7 million [30.8 million – 42.9 million]
- Adults 34.5 million [28.8 million – 40.2 million]
- Women 17.8 million [15.4 million – 20.3 million]
- Men 16.7 million [14.0 million – 19.5 million]
- Children (<15 years) 2.1 million [1.7 million – 2.6 million]

**People newly infected with HIV in 2016**

- Total 1.8 million [1.6 million – 2.1 million]
- Adults 1.7 million [1.4 million – 1.9 million]
- Children (<15 years) 160 000 [100 000 – 220 000]

**AIDS deaths in 2016**

- Total 1.0 million [830 000 – 1.2 million]
- Adults 890 000 [740 000 – 1.1 million]
- Children (<15 years) 120 000 [79 000 – 160 000]

Source: UNAIDS/WHO estimates.
Three randomized controlled trials in Africa (2003 to 2006)

Male circumcision significantly reduces the risk of HIV infection > 60%

- South Africa 76%
- Kenya 60%
- Uganda 55%
Benifit for Both Male and Female

Reduce HIV infection approximately 60%
Reduce HPV infection 32%-35%
Reduce HSV-2 infection 32%-35%
Urinary tract infection 32%-35%
Significantly reduce the incidence rate of gonorrhea
Significantly reduce the incidence rate of chancroid
Significantly reduce syphilis infection
Significantly reduce trichomonas vaginalis infection
Significantly reduce the incidence rate of balanitis, phimosis and penile cancer

Reduce incidence rate of cervical cancer
Reduce trichomonas infection 45%
Reduce bacterial vaginosis infection 18%
Reduce genital tract ulceration 22%
Reduce chlamydia trachomatis infection 82%
Improve genital tract health
Breakthrough Innovation Technology

Inventor
Mr Shang Jianzhong

ShangRing™
ShangRing with FDA And WHO PQ

FDA 510(K) Clearance

WHO List of PQMC
International Awards
Academic Papers
WHO/TAG: ShangRing-5 RCT & Clinical Studies in Africa

WHO/TAG Report (2013): ShangRing, n=1,983

- ShangRing is safe and effective in over 99% of patients
- No serious AE were found

Table 5: Adverse Events in all Shang Ring studies combined

<table>
<thead>
<tr>
<th>Type of Event</th>
<th>Number</th>
<th>Per cent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of device placements</td>
<td>1,983</td>
<td>0.0% [0.0%, 0.2%]</td>
</tr>
<tr>
<td>Serious AEs</td>
<td>0</td>
<td>1.0% [0.6%, 1.6%]</td>
</tr>
<tr>
<td>Moderate AEs</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Pain placement (PAIN)</td>
<td>8</td>
<td>0.4%</td>
</tr>
<tr>
<td>Pain leading to early removal (PREM)</td>
<td>2</td>
<td>0.1%</td>
</tr>
<tr>
<td>Infection (INFD)</td>
<td>4</td>
<td>0.2%</td>
</tr>
<tr>
<td>Bleeding (BLDD)</td>
<td>1</td>
<td>0.1%</td>
</tr>
<tr>
<td>Wound disruption (WNDD)</td>
<td>2</td>
<td>0.1%</td>
</tr>
<tr>
<td>Insufficient skin removed (ISKR)</td>
<td>3</td>
<td>0.1%</td>
</tr>
<tr>
<td>Other events</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Mild AEs</td>
<td>43</td>
<td>2.2% [1.6%, 2.9%]</td>
</tr>
<tr>
<td>Anaesthetic complication (ANAE)</td>
<td>1</td>
<td>0.1%</td>
</tr>
<tr>
<td>Pain placement (PAIN)</td>
<td>13</td>
<td>0.7%</td>
</tr>
<tr>
<td>Oedema (OEDP)</td>
<td>3</td>
<td>0.2%</td>
</tr>
<tr>
<td>Injury (INJP)</td>
<td>3</td>
<td>0.2%</td>
</tr>
<tr>
<td>Partial detachment (DETD)</td>
<td>3</td>
<td>0.2%</td>
</tr>
<tr>
<td>Bleeding (BLDD)</td>
<td>2</td>
<td>0.1%</td>
</tr>
<tr>
<td>Wound disruption (WNDD)</td>
<td>15</td>
<td>0.8%</td>
</tr>
<tr>
<td>Insufficient skin removed (ISKR)</td>
<td>3</td>
<td>0.1%</td>
</tr>
<tr>
<td>Other events</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Thank you

Our efforts can help ensure a safer, healthier world!