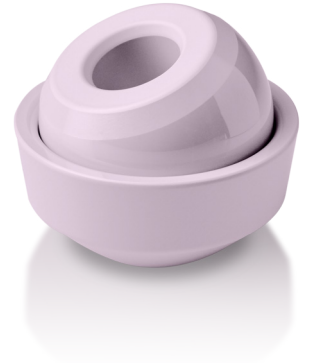


# BIOLOX® 陶瓷对陶瓷

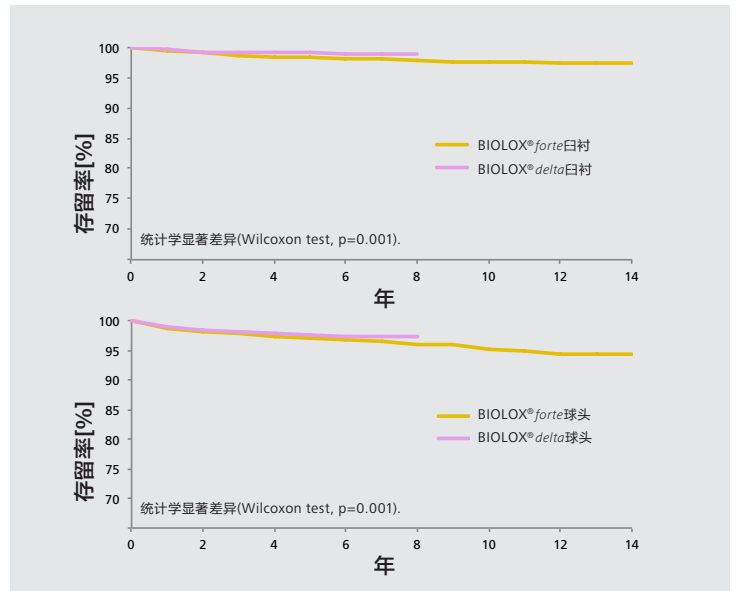
- CoC关节面显示出优异的中长期临床结果\*
- CoC关节面在所有关节面中具有最低的磨损特性\*
- 骨溶解在CoC关节面中极为罕见\*
- 在金属离子释放方面具有安全性\*
- 可减轻组配式锥部界面的微动/腐蚀\*
- CoC关节面无已知的过敏风险\*
- 陶瓷颗粒不致引发病理反应\*
- 陶瓷可降低PJI的发生率\*
- CoC大直径关节面有优异的中长期临床和功能结果\*
- 全球植入超过300万例CoC关节面(全球CoC预估)\*
- 陶瓷关节面是安全、高效且极为成功的THA翻修方案\*



\*相关参考文献请向赛琅泰克有限公司索取

## CoC关节面有优异的中长期临床结果

参考文献	存留率% (任何原因翻修)	随访年限
Toni et al. Hip Int. 2017 <sup>8</sup>	93%	17.40
Kang et al JoA 2015 <sup>9</sup>	98.90%	15.00
Steppacher et al SemArthrop 2011 <sup>10</sup>	97.20%	14.00
Kusaba et al DKOU 2013 <sup>11</sup>	98.20%	14.00
Lee et al Sem Arthrop 2013 <sup>12</sup>	96.20%	13.00
Kim et al Int Orthop 2013 <sup>13</sup>	99%	12.40
Imbuldeniya et al ISTA 2013 <sup>14</sup>	96.50%	11.50
Lee et al JBJS 2010 <sup>15</sup>	99%	10.00
Kusaba et al SemArthrop 2011 <sup>16</sup>	97.60%	10.00
Hsu et al SemArthrop 2011 <sup>17</sup>	96.30%	10.00
D'Antonio et al CORR 2012 (System 1) <sup>18</sup>	100%	10.00
D'Antonio et al CORR 2012 (System 2) <sup>19</sup>	98.60%	10.00
Yoon et al CORR 2012 <sup>20</sup>	98.90%	10.00
Chana et al BJJ 2013 <sup>21</sup>	96.50%	10.00
D'Antonio et al CORR 2014 <sup>22</sup>	97%	10.00
Epinette & Michael Jarthrop 2014 <sup>23</sup>	98.60%	10.00
Yoo et al JoA 2013 <sup>24</sup>	96.90%	9.80
Wang et al Arthrop. Today 2016 <sup>25</sup>	97.30%	9.40
Tozun et al Int Orthop 2014 <sup>26</sup>	97.80%	8.20
Choy et al ClinOrthopSurg 2013 <sup>27</sup>	98.10%	7.80
Kim et al. JoA 2017 <sup>28</sup>	99.70%	7.80
Kim et al Int Orthop 2014 <sup>29</sup>	100%	7.40
Kang et al JoA 2014 <sup>30</sup>	97.90%	6.50
Aoude et al JoA 2015-online <sup>31</sup>	98.50%	6.00



区域性骨科假体植入物登记中心(RIPO), 2000年1月1日-2013年12月31日  
根据RIPO提供给赛琅泰克有限公司的数据评估

## 关节面的比例

	CoC	CoP	MoP	MoM
德国 <sup>1</sup>	8%	61%	31%	<1%
法国(私立医院) <sup>2</sup>	43%	22.4%	35.2%	1.2%
法国(公立医院) <sup>3</sup>	32%	11.2%	54.8%	2%
英国 <sup>4</sup>	16.5%	22.4%	59.4%	0.7%
意大利(Emilia-Romagna地区) <sup>5</sup>	62%	26%	11%	1%
韩国 <sup>6</sup>	86%	13%	1%**	0%**
澳大利亚 <sup>7</sup>	25.6%	23%	44.6%	6.8%

\*\*预估

## 骨溶解在CoC关节面中极为罕见

- 绝大多数近期的研究报告当使用CoC关节面时中长期没有骨溶解

Choy et al 2013<sup>32</sup>  
Kim et al 2014<sup>33</sup>  
Imbuldeniya et al 2013<sup>34</sup>  
Murphy et al 2013<sup>35</sup>  
Tozun et al 2014<sup>36</sup>  
Lee et al 2013<sup>37</sup>

- CoC 关节面在翻修手术可减少甚至抑制骨溶解病损的进程

Jack et al 2013<sup>38</sup>  
Kim et al SICOT 2011<sup>39</sup>  
Park et al AAOS 2011<sup>40</sup>  
Yoo et al JoA 2013<sup>41</sup>

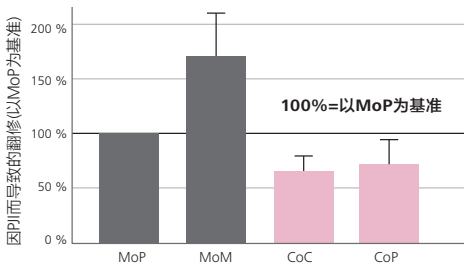
**陶瓷关节面是安全、高效且极为成功的THA翻修方案**

研究	随访例数	因无菌性松动翻修指数 (%)	平均随访年限 (范围)	翻修使用的关节面	碎裂率 (%)	Kaplan Meier 存留率 (再次翻修)
Hannouche等 <sup>42</sup>	110	83%	9.3 (5-27)	CoC, 28% (31/110); C-PE, 58% (64/110); M-PE, 14% (15/110);	-	“因机械性失败翻修” 83.1% (10年)
Chang等 <sup>43</sup>	42	64% (27/42)	5.4 (3.2- 8)	CoC, 100% (氧化铝)	-	100% (无再翻修)
Yoo等 <sup>44</sup>	64	59% (38/64)	9.8 (7.0- 13.1)	CoC, 100% (氧化铝)	-	96.9% (7年)
Jack等 <sup>45</sup>	165	98%	4.8 (2.1- 12.5)	CoC, 100% (100 氧化铝, 65 delta)	2件氧化铝 球头	股骨头96.6%, 髌臼94% (8.3年)
Khatod等 <sup>46</sup>	629	14.3%	5	C-PE (13.7%)	-	86.8% (5年)

表1: 翻修THA陶瓷关节面报告的结果总结

**使用CoC关节面的病例有最低的感染翻修的风险**

假体周围感染(PJI) 9个登记中心; 827306例 THA<sup>a-e</sup>



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- g. Varnum C, Pedersen AB, Kjaergaard-Andersen P, Overgaard S. Comparison of the risk of revision in cementless total hip arthroplasty with ceramic-on-ceramic and metal-on-polyethylene bearings. Acta Orthopaedica 2015;86(3)
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