

# Quality of life: modified triple-branched stent graft implantation versus frozen elephant trunk technique

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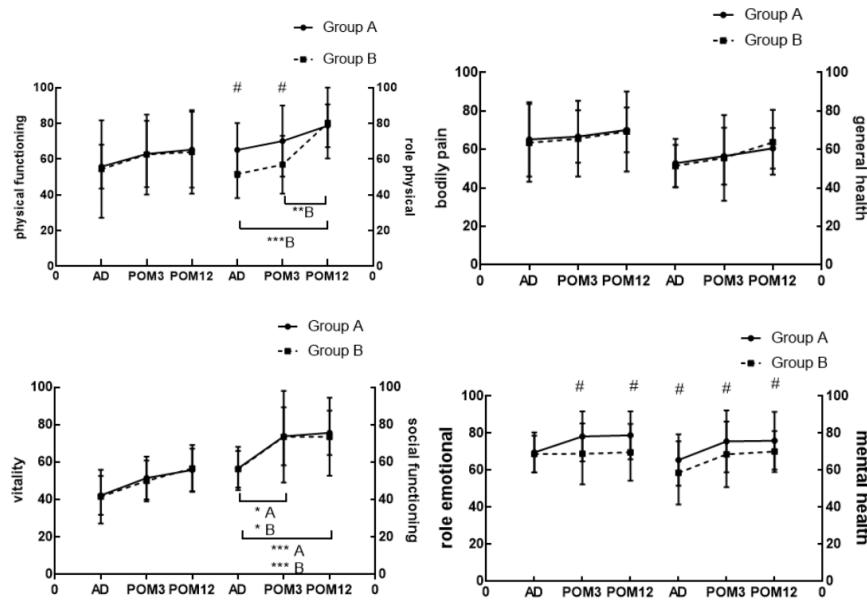
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## Abstract

**Background:** To compare the effects of modified triple-branched stent implantation and frozen elephant trunk technique on the quality of life (QoL) of acute Stanford Type A aortic dissection (AAAD) patients at different follow-up times. **Methods:** Data from 175 AAAD survivors was collected which were divided into two groups according to different surgical techniques: (group A): modified triple-branched stent graft implantation; (group B): frozen elephant trunk. The SF-36 were used to assess the QoL at discharge(AD), the third postoperative month (POM3), and the twelfth postoperative month (POM12). **Results:** (1)The total scores at each time of both groups showed lower than the normal level; Group A scored higher than group B at some time points in terms of some items, and some items at POM3 and POM12 scored higher than at discharge. Older patients underwent modified triple-branched stent graft implantation. (2) There were less patients with heavy self-perceived burden in group A than group B and patients with heavy self-perceived burden decreased over time. (3) Young postoperative AAD patients in group B with heavy self-perceived burden, acute renal failure, long LOS and blood loss(> 1000 mL / 24h)seemed to get a worse QoL. **Conclusions:** The impact on QoL of the modified triple-branched stent graft implantation technique seemed to be better than those of frozen elephant trunk surgery in some items.

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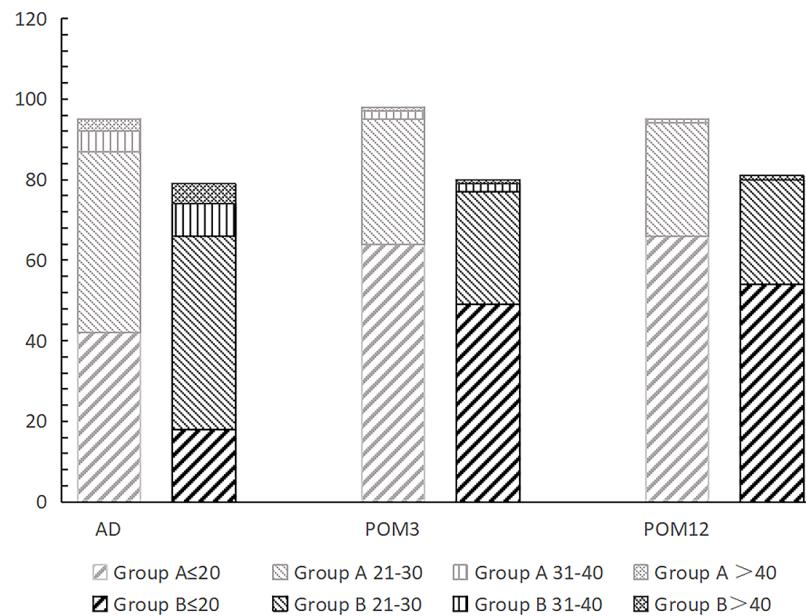


AD: at discharge, POM3: the third postoperative month, POM12: the twelfth postoperative month.

#: Group A vs Group B ( $P<0.001$ ), \*A: AD vs POM3 of Group A ( $P<0.001$ )

\*\*\*A: AD vs POM12 of Group A ( $P<0.001$ ), \*B: AD vs POM3 of Group B ( $P<0.001$ )

\*\*B : POM3 vs POM12 of Group B ( $P<0.001$ ), \*\*\*B: AD vs POM12 of Group B ( $P<0.001$ )



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Table 1\begin{CJK}{UTF8}{gbsn}\end{CJK}\selectlanguage{english}JCS.docx available at <https://authorea.com/users/358218/articles/480601-quality-of-life-modified-triple->

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Table 2\begin{CJK}\{UTF8\}\gbsn\end{CJK}\selectlanguage{english}JCS.docx available at  
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