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**Appendix 1. Octogenarian outcomes in the literature.**

<b>Authors</b>	<b>Year of Publication</b>	<b>Sample size</b>	<b>Average follow-up</b>	<b>Stem survivorship for aseptic revision %</b>	<b>Stem survivorship overall %</b>	<b>Level of evidence</b>
Riley et al. <sup>86</sup>	2016	78 in each arm	minimum of 2 years	98.7% (>80 years old) vs. 100% (<80 years old)		3
Stihsen et al. <sup>87</sup>	2017	162 vs. 342	128 months median follow-up	100% in both groups	98.1% (>80 years old) vs. 98.4% (<80 years old)	3
Gkagkalis et al. <sup>88</sup>	2019	121 vs. 244	49.2 months	100% (>75 years old) vs. 98.8% (<60 years old)		3
Yuasa et al. <sup>180</sup>	2016	30	67 months	100.0%		4

**Appendix 2. Hydroxyapatite-coated stems in the literature.**

<b>Authors</b>	<b>Year of Publication</b>	<b>Sample size</b>	<b>Average follow-up</b>	<b>Stem Name</b>	<b>Stem survivorship for aseptic revision %</b>	<b>Stem survivorship overall %</b>	<b>Level of evidence</b>
Lee et al. <sup>91</sup>	2005	96	10.3 years	HA-coated Omnifit stem	100.0%	100.0%	4
Cho et al. <sup>92</sup>	2010	86	7 years	Corail stem	100.0%		4
Vidalain <sup>181</sup>	2011	320	20.9 years	Corail stem	98.8% (actual)	96.3% at 23 years (KM)	4
Jacquot et al. <sup>182</sup>	2018	86	26.8 years	Corail stem	93% (actual)	93.7% (KM), 86.0% (actual)	4
Flecher et al. <sup>183</sup>	2010	233	10 years	Custom		93.0%	4

KM = Kaplan-Meier analysis

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