Table 4: Rupture Rates Reported Over the Past 25 Years

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| --- | --- | --- | --- | --- |
| **5 Year Interval** | **Passive**  Ruptures/Total Tendons (%) | **Ac**tive  Ruptures/Total Tendons (%) | **OR[95%CI]** | **Overall**  Ruptures/Total Tendons(%) |
| 1987-1991 | 13/403 (3.2) | 14/230 (6.1) | 1.94[0.90-4.21] | 27/633 (4.3) |
| 1992-1996 | 17/410 (4.1) | 27/486 (5.6) | 1.36[0.73-2.53] | 44/896 (4.9) |
| 1997-2001 | 5/100 (5) | 24/451 (5.3) | 1.07[0.40-2.87] | 29/551 (5.3) |
| 2002-2006 | 10/121 (8.31) | 10/229 (4.9) | 0.51[0.20-1.25] | 20/350 (5.7) |
| 2007-2011 | 9/484 (1.9) | 2/71 (2.8) | 1.53[0.32-7.23] | 11/555 (2.0) |

* For rupture rates comparison between Active and Passive after adjust of time (by 5 year interval)

1. P=0.3174, which means there is no significant difference of rupture rates between Passive/Active. The overall OR=1.2088[0.8263-1.7683]

If we reevaluate the results with 10 years interval,

1. P=0.2500, which means there is no significant difference of rupture rates between Passive/Active. The overall OR=1.2794[0.8401-1.9485].

From 1992 to 2001, OR=1.28[0.76-2.13], from 2002-2011, OR=1.28[0.61-2.68]

The p values above are from Cochran-Mantel-Haenszel test.

* If we test the overall rupture rates over time interval by 5 years, p=0.0564(Left-sided, Cochran-Armitage Trend Test), which means the trend that rupture rates decrease over time need to be studied further.
* If we test the overall rupture rates over time interval by 10 years, p=0.0380(Left-sided, Cochran-Armitage Trend Test), which means there is a significant trend that rupture rates decrease over time.