**Supplement Table –**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **BBB type/ Study** | **Sample size** | **Number of patients** | **Follow-up (months)** | **Outcomes measured** | **Conclusions** **(Studies with increased risk are highlighted in yellow)** |
| **RBBB** |  |  |  |  |  |
| Schneider JF, 19801 | 5209 | 70 | 216 | Cardiac morbidity and mortality | Increased cardiac morbidity and mortality |
| Thrainsdottir S, 19932 | 18,762 (>33 years) | 126 M, 67 F | - | Cardiac morbidity and mortality | Increased cardiac morbidity but not mortality |
| Fahy GJ, 19963 | 110,000 | 198 | 114 | All-cause mortality, cardiac death | Negative |
| Taniguchi M, 20034 | 2,722 men(>53 yrs, pilots) | 36 | 131 | All-cause mortality | Negative |
| Eriksson P, 20055 | 7,392 men, (>50 yrs) | 70 | 336 | All-cause mortality, cardiac death, MI, HF | Negative. HR for progression to high degree AV block: 3.64 (99% CI, 0.79-16.72) |
| Miller WL, 20086 | 104,580,(mean 64 yrs) | 300 | 108 | Cardiac morbidity and mortality | Increased risk |
| Aro AL, 20117 | 10,899, (mean 44 yrs) | 44 | 360 | All-cause mortality, cardiac death, arrhythmic death | Negative |
| Zhang ZM, 20128 | 53,694 women(mean 62 yrs) | 572 | 168 | All-cause mortality, cardiac death | Negative |
| Bussink, BE, 20139 | 18,441(>20 yrs) | 119 M, 47 F | 246 | All-cause mortality, cardiac death, MI, HF, PPM insertion | Increased cardiovascular risk and all-cause mortality. HR for PPM insertion: 2.17 (95% CI, 1.22-3.86) |
| Haataja P, 201510 | 6299 | 46 M, 23 F | 98 | All-cause mortality, cardiac death | Negative |
| Rasmussen P, 201911 (present study) | 202,268 | 2,297 M, 1213 F | 93 | All-cause mortality, cardiac death, HF, MI, PPM insertion, AF | Increased risk of HF, PPM. Increased risk of cardiac death in men only, but not all-cause mortality |
| **LBBB** |  |  |  |  |  |
| Schneider JF, 197912 | 5209 | 55 | 216 | Cardiac morbidity and mortality | Increased cardiac morbidity and mortality |
| Fahy GJ, 19963 | 110,000 | 112 | 114 | All-cause mortality, cardiac death | Increased cardiac death, but not all-cause mortality |
| Eriksson P, 20055 | 7,392 men(>50 yrs) | 46 | 336 | All-cause mortality, cardiac death, MI, HF | Increased cardiac death, MI, HF. HR for progression to high degree AV block: 12.89 (99% CI, 4.13-40.24) |
| Miller WL, 20086 | 104,580(mean 64 yrs) | 220 | 108 | Cardiac morbidity and mortality | Increased risk. LBBB + LAD was associated with worse outcomes compared with LBBB alone |
| Aro AL, 20117 | 10,899(mean 44 yrs) | 33 | 360 | All-cause mortality, cardiac death, arrhythmic death | Increased arrhythmic death, but not all-cause mortality or cardiac death |
| Zhang ZM, 20128 | 53,694 women(mean 62 yrs) | 408 | 168 | All-cause mortality, cardiac death | Increased cardiac death, but not all-cause mortality |
| Haataja P, 201510 | 6299 | 29M, 31F | 98 | All-cause mortality, cardiac death | Increased all-cause mortality and cardiac death |
| Rasmussen P, 2019 11(present study) | 202,268(>40 yrs) | 358M, 679F | 93 | All-cause mortality, cardiac death, HF, MI, PPM insertion, AF | Increased risk of HF, MI, PPM. Increased risk of cardiac death and all-cause mortality in men only |
| **IVCD** |  |  |  |  |  |
| Aro AL, 20117 | 10,899(mean 44 yrs) | 67 | 360 | All-cause mortality, cardiac death, arrhythmic death | Increased arrhythmic death, all-cause mortality and cardiac death |
| Haataja P, 201510 | 6299 | 33 M, 3 F | 98 | All-cause mortality, cardiac death | Increased all-cause mortality and cardiac death |
| Rasmussen P, 2019 11(present study) | 202,268(> 40 yrs) | 1979 M, 1071 F | 93 | All-cause mortality, cardiac death, HF, MI, PPM insertion, AF | Increased risk of HF, MI, PPM. Increased risk of cardiac death and all-cause mortality in both men and women |

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