**Appendix S1.** Search strategy

*PUBMED*

1. randomized controlled trial [pt] OR controlled clinical trial [pt] OR randomized [tiab] OR placebo [tiab] OR randomly [tiab] OR trial [ti]
2. humans [mh]
3. breast cancer[tiab]
4. radiotherapy[tiab]
5. exercise[tiab] OR resistance training[tiab] OR yoga[tiab]
6. 1 AND 2 AND 3 AND 4 AND 5
7. clinical trials as topic [mesh:noexp]
8. Breast Neoplasms[Mesh]
9. Radiotherapy[Mesh]
10. exercise [Mesh] OR Resistance Training[Mesh] OR Yoga[Mesh]
11. 7 AND 8 AND 9 AND 10
12. 6 OR 11

*EMBASE*

(random* AND 'breast cancer'/exp AND 'radiotherapy'/exp AND ('exercise'/exp OR 'resistance'/exp OR 'training'/exp OR 'yoga'/exp)) OR (random*:ti,ab,kw AND breast:ti,ab,kw AND radiotherapy:ti,ab,kw AND (exercise:ti,ab,kw OR resistance:ti,ab,kw OR training:ti,ab,kw OR yoga:ti,ab,kw))

*Scopus*

TITLE-ABS-KEY(random*) AND TITLE-ABS-KEY(breast cancer) AND TITLE-ABS-KEY(radiotherapy) AND TITLE-ABS-KEY(exercise OR resistance training OR yoga)

*Cochrane library*

1.random*: ti,ab,kw
2.breast cancer: ti,ab,kw
3.radiotherapy: ti,ab,kw
4.exercise: ti,ab,kw OR resistance:ti,ab,kw OR training:ti,ab,kw OR yoga:ti,ab,kw
5. 1 AND 2 AND 3 AND 4