

ADDITIONAL MATERIAL

Biological effects of exposure to static EF in humans and vertebrates: A systematic review

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Literature search strategy

The literature search can be repeated using the following link:

<https://www.emf-portal.org/en/article/search/results?keywords=%22static+electric+field%22&logicalOperator=0&authors=&journals=&years=&topics%5B%5D=0&topics%5B%5D=1&topics%5B%5D=2&topics%5B%5D=3&topics%5B%5D=4&topics%5B%5D=5&topics%5B%5D=6&topics%5B%5D=7&topics%5B%5D=8&topics%5B%5D=9&frequencyRanges%5B%5D=0&frequencyRanges%5B%5D=1&frequencyRanges%5B%5D=2&frequencyRanges%5B%5D=3&frequencyRanges%5B%5D=4&timeSpan=0>

Table S1: Schematic overview for placement of individual human and animal studies in study quality categories (1st tier, 2nd tier, 3rd tier). Adapted from the approach recommended by the National Toxicology Program's Office of Health Assessment and Translation (2015) ¹ . “++” definitely low risk of bias, “+” probably low risk of bias, “-” probably high risk of bias, “--” definitely high risk of bias												
Category	Guidance	Risk of bias criteria										
		Key criteria			Other criteria							
		Control for confounding variables	Confidence in the exposure	Confidence outcome assessment	Randomization exposure level	Allocation concealment	Identical experimental conditions	Blinding	Attrition/exclusion rate	All outcomes reported	Other potential threats	
1 st tier	“definitely low” or “probably low” risk of bias for all key risk of bias criteria AND “definitely low” or “probably low” risk of bias for > 50% of all other criteria	Example 1	++	++	+	+	-	++	-	++	+	+
		Example 2	++	-	++	+	-	+	-	+	++	-
2 nd tier	study does not meet criteria for tier 1 or tier 3	Example 3	+	-	-	-	-	++	++	--	+	+
		Example 4	-	-	-	+	+	++	-	+	-	+
		Example 5	--	-	-	-	+	--	-	+	-	-
3 rd tier	“probably high” or “definitely high” risk of bias for all key risk of bias criteria AND “probably high” or “definitely high” risk of bias for > 50% of all other criteria	Example 5	--	-	-	-	+	--	-	+	-	-

¹ National Toxicology Program. Handbook for Conducting a Literature-Based Health Assessment Using OHAT Approach for Systematic Review and Evidence Integration. Office of Health Assessment and Translation; 2015. <http://ntp.niehs.nih.gov/go/38673>