

Supporting Information

Text S1

Type I diabetes

This NMA evaluates the safety and effectiveness of long acting versus intermediate acting insulin for patients with type 1 diabetes and represents a small dataset^[1]. The authors evaluated glycosylated hemoglobin (A_{1c}), severe hypoglycemia, and weight gain outcomes. The analyses included 26 randomized clinical trials (RCTs) with 6776 patients and 8 treatments for A_{1c}, 16 RCTs with 5797 patients and 8 treatments for severe hypoglycemia, and 13 RCTs with 3396 patients and 5 treatments for gain weight. The results were presented in terms of pairwise mean differences and 95% confidence intervals (CIs) for A_{1c} and gain weight outcomes, and of odds ratios and 95% CIs for severe hypoglycemia. In Appendix Table 1 we present the SUCRA values as estimated in the original paper [1] that correspond to the three outcomes and eight treatments in total.

Appendix Table 1. SUCRA values (%), as calculated in the original paper [1], corresponding to long acting and intermediate acting insulin regiments for patients with type 1 diabetes in A_{1c}, severe hypoglycemia, and gain weight outcomes.

Type I diabetes			
Treatment	Severe hypoglycemia	Gain weight	A _{1c}
NPH[od/bid]	15.2	51.4	55.3
NPH[qid]	NA	NA	13.8
NPH[od]	51.4	0.3	9.2
Detemir[od/bid]	48.6	98.3	67.1
Detemir[qid]	18.3	NA	67.5
Detemir[od]	79.6	24.7	45.2
Glargine[bid]	87.4	NA	68
Glargine[od]	49.4	75.3	74.1

Abbreviations: A_{1c}: glycosylated hemoglobin, bid: twice daily, NA: Not available, Od: once daily, qid: four times daily, SUCRA: surface under the cumulative ranking curve

Serotonin (5-HT₃) receptor antagonists for patients undergoing surgery

The empirical example we selected to represent the medium-sized empirical dataset is a systematic review and NMA published by Tricco et al.[2, 3] The authors evaluate the comparative safety and efficacy for 5-HT₃ receptor antagonists with each other, placebo, and/or other antiemetic agents for patients undergoing surgery. We use the SUCRA results for the treatment hierarchy in five studied outcomes: arrhythmia, delirium, nausea, vomiting, and postoperative nausea and vomiting (PONV). The NMA for arrhythmia included 31 RCTs with 6623 patients and 9 treatments, for delirium included 18 RCTs with 3652 patients and 6 treatments, for nausea included 195 RCTs with 24230 patients and 15 treatments, for

1 vomiting included 238 RCTs with 12781 patients and 15 treatments, and for PONV included
 2 125 RCTs with 16667 patients and 13 treatments. The results were presented in terms of
 3 pairwise odds ratios and 95% CIs for all studied outcomes. In Appendix Table 2 we present
 4 the SUCRA values calculated in the original NMAs [2, 3] corresponding to the five outcomes
 5 and 15 treatments in total.

6 Appendix Table 2. SUCRA values (%), as calculated in the original NMAs[2, 3], corresponding to serotonin (5-
 7 HT₃) receptor antagonists for patients undergoing surgery in arrhythmia, delirium, nausea, vomiting and PONV
 8 outcomes.

5-HT ₃ surgery					
Treatment	Vomiting	Nausea	PONV	Delirium	Arrhythmia
Placebo	4.6	0.8	0.1	51.9	42.8
Ondansetron	29.4	25.4	20.1	64.9	54.6
Granisetron	54.3	44.8	42.5	93.5	40.7
Dolasetron	22.0	13.3	37.7	27.7	81.5
Tropisetron	42.2	23.2	16.3	35.3	54.6
Ondansetron+Dexamethasone	76.0	71.9	63.0	NA	83.3
Palonosetron	30.1	54.9	72.3	NA	NA
Ramosetron	48.4	51.3	34.9	NA	35.3
Ondansetron+Droperidol IV	84.6	65.4	76.9	NA	NA
Ondansetron+Metoclopramide IV	78.8	52.8	NA	NA	NA
Granisetron+Dexamethasone	84.3	81.2	86.3	NA	2.9
Palonosetron+Dexamethasone	7.8	43.7	67.0	NA	NA
Dolasetron+Dexamethasone	73.9	72.8	NA	26.6	NA
Dolasetron+Droperidol IV	68.8	76.8	71.9	NA	54.2
Granisetron+Droperidol IV	44.8	71.7	61.1	NA	NA

9 Abbreviations: NA: Not available, PONV: postoperative nausea and vomiting

10

11 *Chronic Obstructive Pulmonary Disease*

12 The large-sized empirical dataset we selected is a systematic review and NMA
 13 evaluating the comparative safety and effectiveness of long-acting inhaled agents for adults
 14 with chronic obstructive pulmonary disease (COPD) [4]. We use the same SUCRA values as
 15 reported by the authors to present the treatment hierarchy in five studied outcomes:
 16 arrhythmia, pneumonia, cardiovascular mortality, mortality, and moderate-to-severe
 17 exacerbations. The NMA for arrhythmia included 26 RCTs with 27407 patients and 12
 18 treatments, for pneumonia included 54 RCTs with 61551 patients and 21 treatments, for
 19 cardiovascular mortality included 195 RCTs with 24230 patients and 15 treatments, for
 20 mortality included 89 RCTs with 98447 patients and 28 treatments, and for moderate-to-
 21 severe exacerbations included 112 RCTs with 77749 patients and 26 treatments. The results
 22 were presented in terms of pairwise odds ratios and 95% CIs for all studied outcomes. In

1 Appendix Table 3 we present the SUCRA values calculated in the original NMA [4]
 2 corresponding to the five outcomes and the 30 distinct treatments across all outcomes.

3 Appendix Table 3. SUCRA values (%), as calculated in the original NMA [4], corresponding to long-acting inhaled
 4 agents for COPD compared in arrhythmia, pneumonia, cardiovascular mortality, mortality and moderate-to-
 5 severe exacerbations outcomes.

COPD					
Treatment	Moderate-to-severe exacerbations	Cardiovascular mortality	Mortality	Pneumonia	Arrhythmia
ACLI	33.8	28.2	66.9	77.4	62.8
AZD3199	67.7	70.2	67.7	NA	NA
BECL/FORM	66.3	NA	60.8	46.3	NA
BUDE	40.7	49.4	64.9	74.6	39.1
FLUT	36.6	61.4	41.2	18.4	NA
FLUT/TIOT	NA	NA	52.8	NA	NA
FORM	57.6	58.5	28.2	61.8	46.9
FORM/BUDE	81.3	27	43.1	34.7	20.8
FORM/BUDE/TIOT	NA	NA	26.9	NA	NA
FORM/MOME	51.8	NA	66.8	60.5	NA
FORM/TIOT	35.2	NA	63.6	NA	NA
GLYC	44.5	83.4	70.2	70.2	45.8
GSK961081	79.9	NA	NA	NA	NA
INDA	32.1	63.4	64.2	55.8	48.6
INDA/GLYC	70.2	77	60.5	66.5	40.9
INDA/TIOT	77.5	32.3	46.6	NA	NA
MOME	46.6	NA	29.7	40	NA
Placebo	13.7	50.5	44.7	52.8	74.3
SALM	37.3	75.9	58.2	NA	69.4
SALM/FLUT	44.1	65.3	70.6	11.2	74.8
SALM/TIOT	48.8	NA	30.3	41.8	NA
TIOT	63.4	40.2	50.5	59	62.5
TIOT/BUDE/FORM	96.2	NA	NA	54.8	NA
TIOT/FLUT/SALM	72.9	NA	28.5	33.7	NA
TIOT+Resp	NA	32	49.8	NA	NA
TRIAM	NA	19.2	64.7	NA	NA
UMEC	16.5	48.8	44.6	62.7	NA
VILA	16.8	35.5	27.9	45.1	NA
VILA/FLUT	51	54.6	39.2	11.5	14.1
VILA/UMEC	17.4	27.4	37.1	71.3	NA

6 Abbreviations: ACLI: acclidinium bromide, AZD3199: AZD3199 (ultra LABA), BECL/FORM: beclomethasone/formoterol,
 7 BUDE: budesonide, COPD: chronic obstructive pulmonary disease, FLUT: fluticasone, FLUT/TIOT: fluticasone/tiotropium,
 8 FORM, formoterol, FORM/BUDE: formoterol/budesonide, FORM/TIOT/BUDE: formoterol/budesonide/tiotropium,
 9 FORM/MOME: formoterol/mometasone, FORM/TIOT: formoterol/tiotropium, GLYC: glycopyrronium bromide, INDA:

1 indacaterol, INDA/GLYC: indacaterol/glycopyronium, INDA/TIOT: indacaterol/tiotropium, MOME: mometasone, NA: not
2 available, SALM: salmeterol, SALM/FLUT: salmeterol/fluticasone, SALM/TIOT: salmeterol/tiotropium, TIOT: tiotropium,
3 TIOT/BUDE/FORM: tiotropium/budesonide/formoterol, TIOT/FLUT/SALM: tiotropium/ fluticasone /salmeterol,
4 TIOT+Resp: Tiotropium Respimat (Soft Mist Inhaler), TRIAM: triamcinolone acetonide, UMEC: umeclidinium, VILA:
5 vilanterol, VILA/FLUT: vilanterol/fluticasone, VILA/UMEC: vilanterol/umeclidinium

6

7 **Text S2**

8 *The R code to produce the rank-heat plot is provided in an extra txt file (rankheat plot*
9 *function.txt)*

10

11 **Rank-heat plot: A graphical tool for treatment hierarchy**

12 **Version:** 1.0

13 **Description:** The rank-heat plot is a visual representation of the treatment hierarchy
14 estimated in a network meta-analysis across multiple outcomes. Several ranking statistics
15 can be displayed within a rank-heat plot, including the probability of being the best,
16 mean/median ranking, and the surface under the cumulative ranking (SUCRA) curve.

17 **R Packages required to be installed:** `'fields'`, `'RColorBrewer'`, `'circlize'`

18

19 **Usage**

20 rankheatplot (data, format, lab.plot, color, title.name, legend.treatment="TRUE", cex=0.65,
21 pos.outcome.label=c(0.01,-0.4), pos.treatment.label=c(-0.25,-0.4),
22 asterisk="TRUE", show.numbers = "TRUE")

23 **Required arguments**

24 **data** Data-frame with rows corresponding to the treatments included in
25 the network meta-analysis and columns corresponding to the
26 studied outcomes. The first row should present the names of the
27 outcomes, and the first column should present the names of the
28 treatments.

29 **Optional arguments**

30 **format** Ranking statistics, with "percentage" (with values ranging between
31 0 and 100) (e.g., 54) referring to SUCRA values or the probability of
32 being the best, and "rank" (e.g., 5.4) referring to median or mean rank
33 of the included treatments (default is "percentage").

34 **lab.plot** Labels referred to the included treatments across the sectors of
35 circles. Should be one of:

1		"numbers", for numerical values
2		"vector", for titles given by the user
3		"default.titles", the first column of the dataset (names of the
4		treatments) (default)
5	vector.outcomes	Labels referred to the included outcomes. Should be one of:
6		"vector.outcome.names", for titles given by the user
7		"default.titles", the first row of the dataset (names of the outcomes)
8		(default)
9		
10	color	Color palette of the plot, with options:
11		"color": the scale consists of the transformation of three colors red
12		(0%), yellow (50%), and green (100%) (default)
13		"grey": a dark grey corresponds to the smallest ranking value (0%)
14		and a light grey corresponds to the highest ranking value (100%).
15		"color.blind": the scale consists of the transformation of three colors
16		red (0%), yellow (50%), and green (100%) associated with a specific
17		pattern.
18		
19	title.name	Title of the plot
20	cex	Font size for lab.plot (default is 0.65)
21	legend.treatment	To present the legend with the names of the treatments (default is
22		"FALSE")
23	pos.outcome.label	The x and y coordinates referring to the position of the legend for the
24		outcomes.
25	pos.treatment.label	The x and y coordinates referring to the position of
26		legend.treatment.
27	asterisk	Indicates whether a sector refers to treatments without data on the
28		outcome within the circle (default is "FALSE")
29	show.numbers	Indicates whether to show the ranking statistic of each sector
30		(default is "TRUE")

1

2 **Details**

3 In the rank-heat plot, circles from outside in refer to the outcomes in the same order as
4 presented in the dataset by the user (column 2, 3, etc.). Note that the number of outcomes
5 included in the rank-heat plot should be ≤ 13 .

6 Care is needed for the correct selection between "rank" and "percentage" in the **format**
7 argument, so as to avoid erroneous results! Also, the "color.blind" option in the **color**
8 argument is not available when the "rank" format is used and the numerical values of the
9 ranking statistic are always provided in each colored sector. In the "rank" format, the color
10 in each sector is customized according to the number of treatments provided in the specific
11 outcome. For example, in T1DM the weight gain outcome includes 5 treatments, whereas the
12 A1c outcome includes 8 treatments in total. In such a case, the treatment that was ranked 5th
13 in the weight gain outcome will have the same color with the 8th ranked treatment in A1c.
14 Therefore, the colored bar presented at the bottom of the rank-heat plot does not present
15 numerical values, but instead it provides only an indication of how the best and worst
16 treatments are colored.

17 **Examples**

18 Below we present 2 empirical examples using the SUCRA values presented in a systematic
19 review and NMA published by Tricco et al.[2-4] See Appendix 1 for further details.

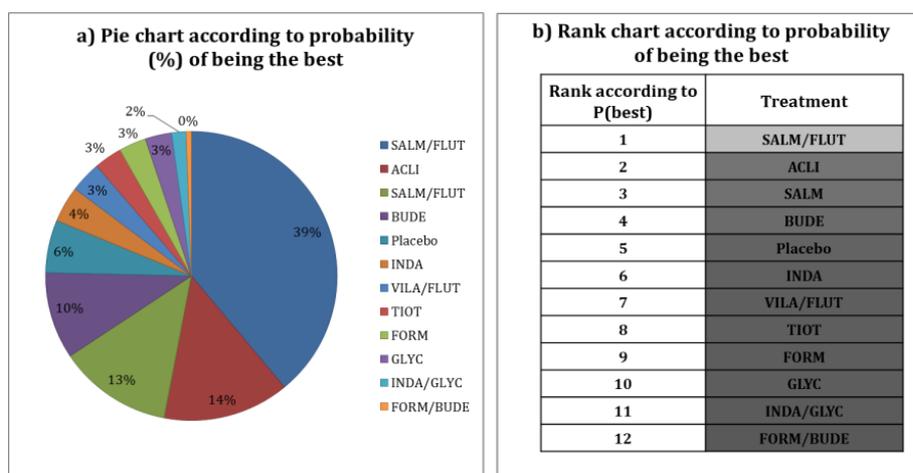
```
20 ##### COPD (grey scale) #####
21 library(fields)
22 library(RColorBrewer)
23 library(circlize)
24 treatments<-c("ACLI", "AZD3199", "BECL/FORM", "BUDE", "FLUT", "FLUT/TIOT", "FORM", "FORM/BUDE",
25             "FORM/BUDE/TIOT", "FORM/MOME", "FORM/TIOT", "GLYC", "GSK961081", "INDA",
26             "INDA/GLYC", "INDA/TIOT", "MOME", "Placebo", "SALM", "SALM/FLUT", "SALM/TIOT",
27             "TIOT","TIOT/BUDE/FORM","TIOT/FLUT/SALM","TIOT+Resp","TRIAM","UMEC","VILA",
28             "VILA/FLUT", "VILA/UMEC")
29 arrhythmia<- c(62.8, NA, NA, 39.1, NA, NA,46.9, 20.8,NA,NA,NA, 45.8,NA, 48.6, 40.9 ,NA , NA, 74.3 ,69.4,
30             74.8,NA,62.5, NA, NA, NA, NA , NA, NA , 14.1, NA)
31 pneumonia<-c(77.4, NA, 46.3, 74.6, 18.4, NA, 61.8, 34.7, NA, 60.5, NA , 70.2, NA , 55.8 ,66.5, NA, 40, 52.8
32             ,NA , 11.2,41.8, 59 , 54.8, 33.7,NA , NA , 62.7, 45.1, 11.5, 71.3)
33 cvm<-c(28.2, 70.2 ,NA , 49.4, 61.4, NA, 58.5 ,27 , NA , NA ,NA , 83.4, NA , 63.4, 77 , 32.3 ,NA , 50.5, 75.9,
34             65.3,NA, 40.2, NA, NA , 32, 19.2, 48.8, 35.5, 54.6 ,27.4)
35 mortality<-c(66.9, 67.7, 60.8, 64.9, 41.2, 52.8, 28.2, 43.1, 26.9, 66.8,63.6, 70.2, NA, 64.2 ,60.5, 46.6, 29.7 ,44.7,
36             58.2 ,70.6,30.3 ,50.5 ,NA , 28.5, 49.8, 64.7, 44.6, 27.9, 39.2, 37.1)
37 exacerbations<-c(33.8, 67.7, 66.3, 40.7, 36.6 ,NA , 57.6 ,81.3, NA , 51.8,35.2, 44.5, 79.9, 32.1, 70.2, 77.5, 46.6
38             ,13.7 ,37.3, 44.1,48.8, 63.4, 96.2, 72.9, NA , NA , 16.5 ,16.8, 51,17.4)
39 mydata<-data.frame(treatments, exacerbations, cvm, mortality, pneumonia, arrhythmia)
40 vector.outcome.names<-c("Moderate-to-severe exacerbations","Cardiovascular mortality","Mortality",
41             "Pneumonia", "Arrhythmia")
42 rankheatplot(data=mydata,format="percentage",lab.plot="numbers",
43             vector.outcomes="vector.outcome.names", color="grey", title.name="COPD - Rank-heat plot
44             based on SUCRA", cex=0.65, legend.treatment="TRUE", pos.outcome.label=c(0.24,-0.50),
45             pos.treatment.label=c(1,-0.45), asterisk="TRUE",show.numbers="false")
```

```

1 #####
2     ### 5-HT3 surgery (colored scale) #####
3 library(fields)
4 library(RColorBrewer)
5 library(circlize)
6 #SUCRA values
7 treatments<-c("Placebo",          "Ondansetron","Granisetron",          "Dolasetron","Tropisetron",
8               "Ondansetron+Dexamethasone", "Palonosetron","Ramosetron", "Ondansetron+DroperidolIV",
9               "Ondansetron+MetoclopramideIV",          "Granisetron+Dexamethasone",
10              "Palonosetron+Dexamethasone", "Dolasetron+Dexamethasone", "Dolasetron+DroperidolIV",
11              "Granisetron+DroperidolIV")
12 Arrhythmia<- c(42.8, 54.6, 40.7, 81.5, 54.6, 83.3, NA, 35.3, NA, NA, 2.9, NA, NA, 54.2, NA)
13 Delirium<-c(51.9, 64.9, 93.5, 27.7, 35.3, NA, NA, NA, NA, NA, NA, 26.6, NA, NA)
14 Nausea<-c(0.8, 25.4, 44.8, 13.3, 23.2, 71.9, 54.9, 51.3, 65.4, 52.8, 81.2, 43.7, 72.8, 76.8, 71.7)
15 Vomiting<-c(4.6, 29.4, 54.3, 22, 42.2, 76, 30.1, 48.4, 84.6, 78.8, 84.3, 7.8, 73.9, 68.8, 44.8)
16 PONV<-c(0.1, 20.1, 42.5, 37.7, 16.3, 63, 72.3, 34.9, 76.9, NA, 86.3, 67, NA, 71.9, 61.1)
17 mydata<-data.frame(treatments,Vomiting, Nausea, PONV, Delirium, Arrhythmia)
18 vector<-c("PLAC","ONDA","GRAN","DOLA", "TROP","ONDA+DEX","PALO", "RAMO", "ONDA+DROP",
19           "ONDA+MET", "GRAN+DEX", "PALO+DEX", "DOLA+DEX", "DOLA+DROP", "GRAN+DROP")
20 rankheatplot(data=mydata,format="percentage",lab.plot="vector", color="color", title.name="B. 5-HT3
21 surgery", cex=0.65, legend.treatment="false", pos.outcome.label=c(0.25,-0.5),
22 pos.treatment.label=c(0.9,-0.45), asterisk="false",show.numbers="TRUE")
23 #####
24
25

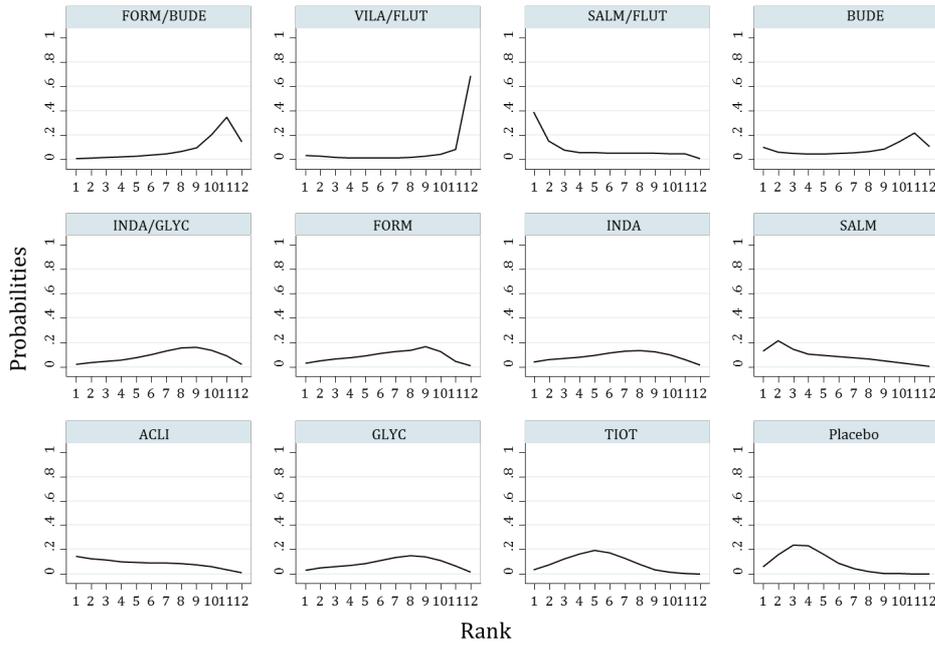
```

26 Figures



27
28 Figure S1. Pie chart (a) and rank chart (b) representing the probability for each treatment being the best in the chronic
29 obstructive pulmonary disease (COPD) arrhythmia network. Each region in the pie chart (a) corresponds to a different
30 treatment and is proportional to the respective ranking probability. Each section of the rank chart (b) corresponds to a
31 different treatment, and NMA treatments are ordered from best (top of the chart) to worst (bottom of the chart) according
32 to their probability best. *Abbreviations:* ACLI: aclidinium bromide, BUDE: budesonide, FLUT/TIOT: fluticasone/tiotropium,
33 FORM: formoterol, FORM/BUDE: formoterol/budesonide, GLYC: glycopyrronium bromide, INDA: indacaterol, INDA/GLYC:
34 indacaterol/glycopyrronium, SAML: salmeterol, TIOT: tiotropium, VILA/FLUT: vilanterol/fluticasone

Rankograms: Probabilities for each treatment being at each of the 12 ranks



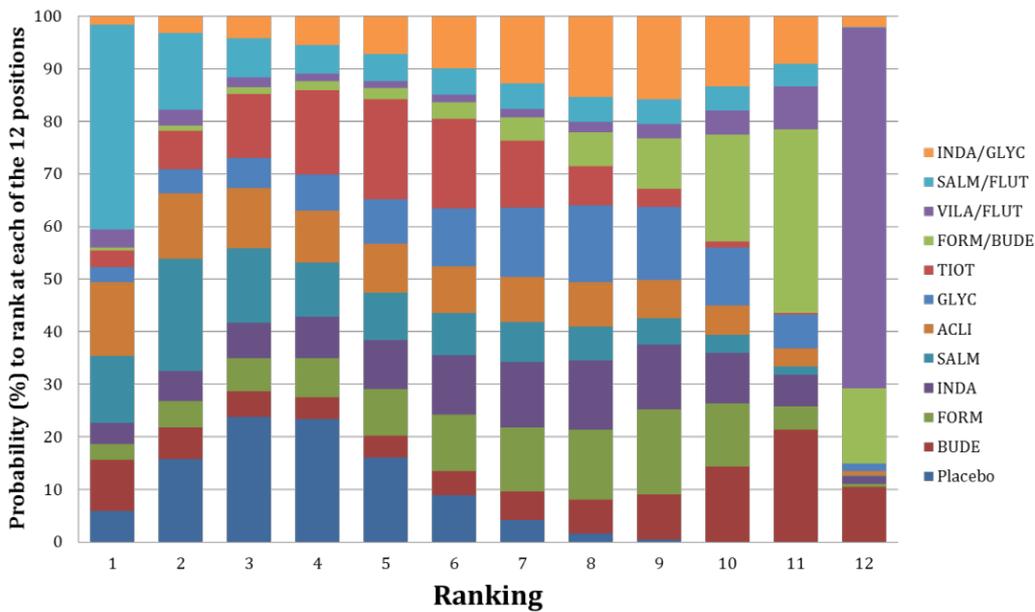
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Figure S2. Rankograms for the 12 chronic obstructive pulmonary disease (COPD) treatments studied in arrhythmia outcome. On the horizontal axis the 12 possible ranks are displayed (from best to worst), whereas on the vertical axis the probability of each treatment being at each of the 12 ranks is presented. *Abbreviations:* ACLI: acclidinium bromide, BUDE: budesonide, FLUT/TIOT: fluticasone/tiotropium, FORM: formoterol, FORM/BUDE: formoterol/budesonide, GLYC: glycopyrronium bromide, INDA: indacaterol, INDA/GLYC: indacaterol/glycopyrronium, SAML: salmeterol, TIOT: tiotropium, VILA/FLUT: vilanterol/fluticasone

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Stacked bar plot: Probabilities of being at each possible rank



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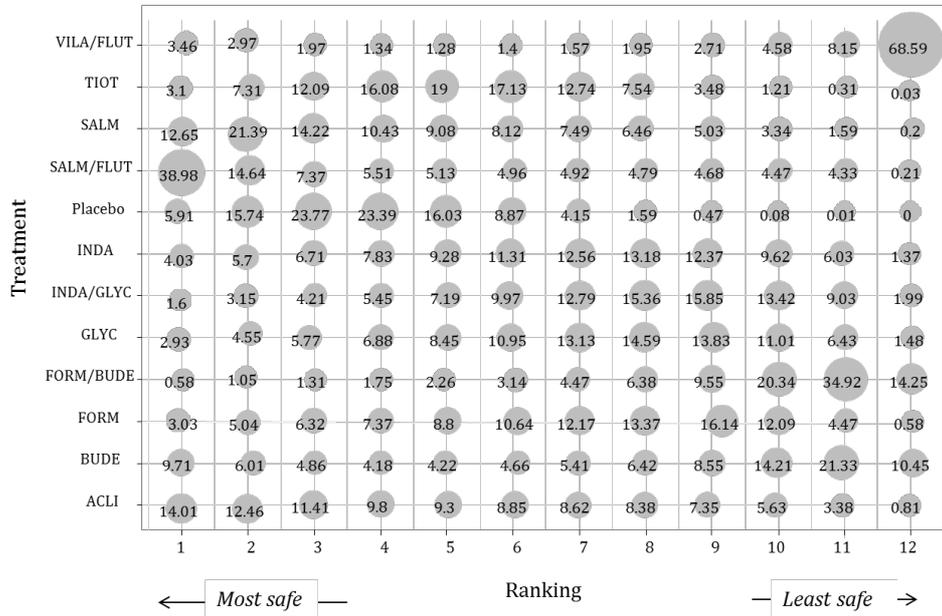
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Figure S3. Stacked bar plot for the 12 chronic obstructive pulmonary disease (COPD) treatments for arrhythmia outcome. On the horizontal axis the 12 possible ranks are displayed (from best to worst), whereas on the vertical axis the probability of each treatment being at each of the 12 ranks is presented. Each bar represents one of the 12 possible ranks, and the

12

1 category of each bar corresponds to the probability of each treatment to be at the specific rank. *Abbreviations:* ACLI:
 2 aclidinium bromide, BUDE: budesonide, FLUT/TIOT: fluticasone/tiotropium, FORM: formoterol, FORM/BUDE:
 3 formoterol/budesonide, GLYC: glycopyrronium bromide, INDA: indacaterol, INDA/GLYC: indacaterol/glycopyrronium,
 4 SAML: salmeterol, TIOT: tiotropium, VILA/FLUT: vilanterol/fluticasone

Bubble plot: Probabilities (%) for each treatment being at each of the 12 ranks

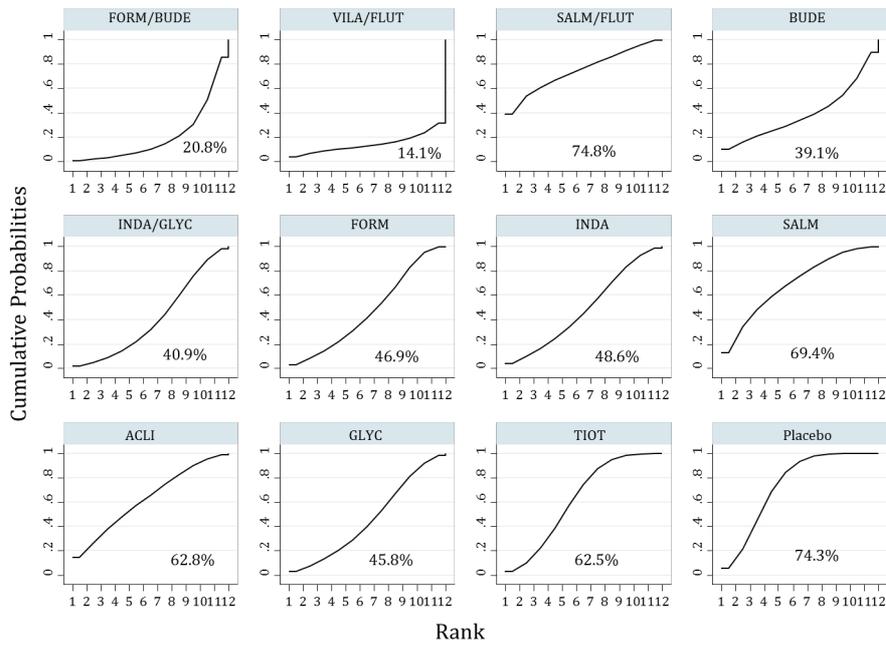


5

6 Figure S4. Bubble plot for the 12 chronic obstructive pulmonary disease (COPD) treatments for arrhythmia outcome. On the
 7 horizontal axis the probability of each treatment being at each possible ranking is displayed, whereas on the vertical axis
 8 the 12 treatments included in the network are presented. The area of each circle is proportional to the probability of each
 9 ranking, which is presented in the center of each circle. *Abbreviations:* ACLI: aclidinium bromide, BUDE: budesonide,
 10 FLUT/TIOT: fluticasone/tiotropium, FORM: formoterol, FORM/BUDE: formoterol/budesonide, GLYC: glycopyrronium
 11 bromide, INDA: indacaterol, INDA/GLYC: indacaterol/glycopyrronium, SAML: salmeterol, TIOT: tiotropium, VILA/FLUT:
 12 vilanterol/fluticasone

13

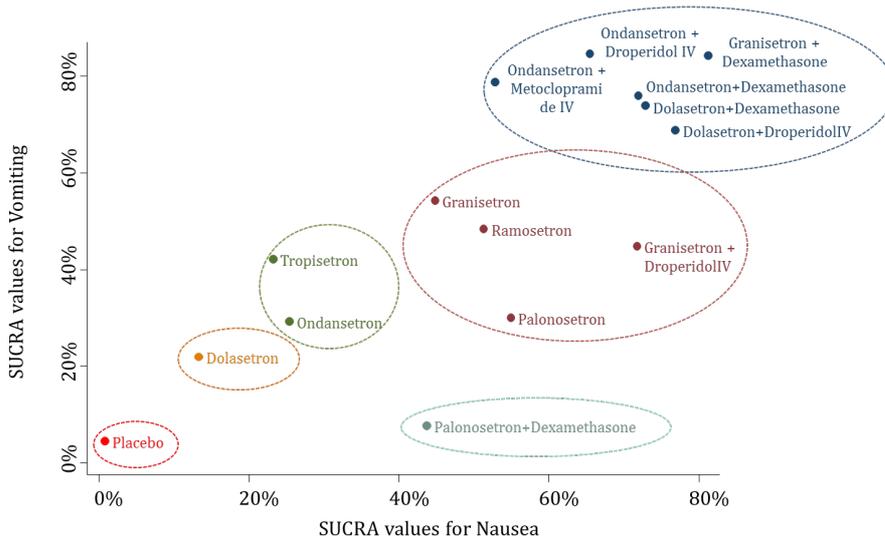
SUCRA plots: Cumulative Probabilities for each treatment



1
2
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Figure S5. SUCRA plots for the 12 chronic obstructive pulmonary disease (COPD) treatments for arrhythmia outcome. On the horizontal axis the 12 possible ranks are displayed (from best to worst), whereas on the vertical axis the cumulative probability of each treatment is presented. The surface under the cumulative ranking curve is also depicted in percentage. *Abbreviations:* ACLI: acclidinium bromide, BUDE: budesonide, FLUT/TIOT: fluticasone/tiotropium, FORM: formoterol, FORM/BUDE: formoterol/budesonide, GLYC: glycopyrronium bromide, INDA: indacaterol, INDA/GLYC: indacaterol/glycopyrronium, SAML: salmeterol, SUCRA: surface under the cumulative ranking curve, TIOT: tiotropium, VILA/FLUT: vilanterol/fluticasone

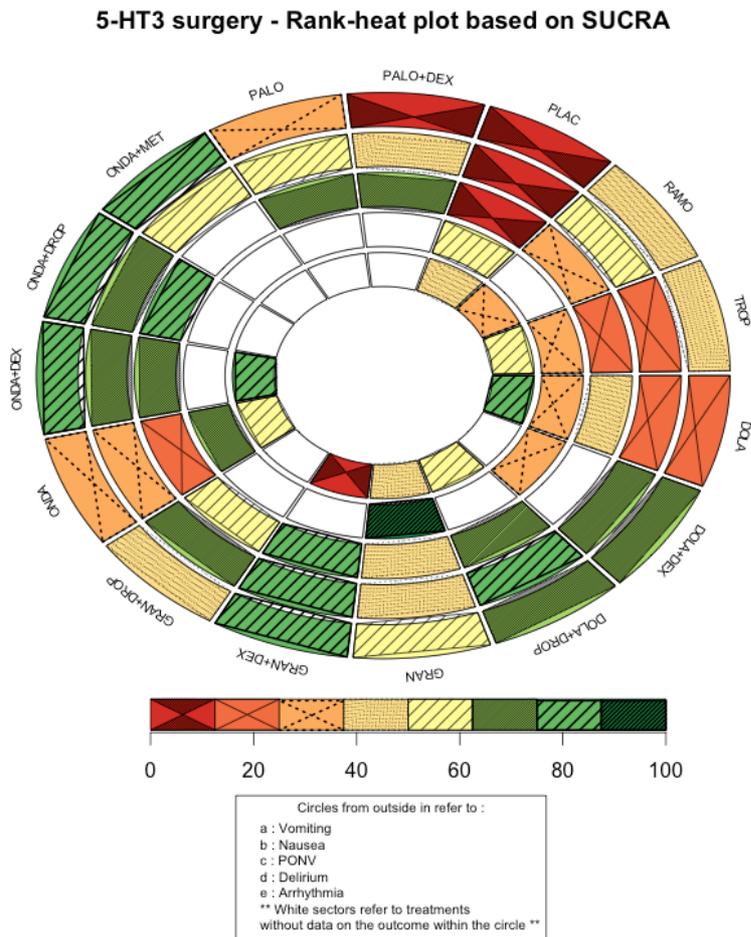
Cluster ranking scatterplot based on SUCRA



10

1 Figure S6. Cluster ranking scatterplot for 15 serotonin (5-HT₃) receptor antagonists according to SUCRA values for nausea
 2 (x-axis) and vomiting (y-axis) outcomes for patients undergoing surgery. Each color represents a group of treatments that
 3 belong to the same cluster (this is also shown by a separate dashed circle). Treatments lying on the upper right hand side
 4 are more effective for both outcomes. SUCRA: surface under the cumulative ranking curve.

5



6

7 Figure S7. Rank-heat plot of 15 serotonin (5-HT₃) receptor antagonists for patients undergoing surgery in five outcomes.
 8 Each sector is colored according to the SUCRA value of the corresponding treatment and outcome. The scale consists of the
 9 transformation of three colors red (0%), yellow (50%), and green (100%), and each color is associated with a different
 10 pattern. Uncolored sectors show that the underlying treatment was not included in the NMA for the particular outcome.

11

12 References

- 13 1. Tricco AC, Ashoor HM, Antony J, Beyene J, Veroniki AA, Isaranuwatthai W, Harrington A,
 14 Wilson C, Tsouros S, Soobiah C *et al*: **Safety, effectiveness, and cost effectiveness of long**
 15 **acting versus intermediate acting insulin for patients with type 1 diabetes: systematic**
 16 **review and network meta-analysis.** *Bmj* 2014, **349**:g5459.
- 17 2. Tricco AC, Soobiah C, Blondal E, Veroniki AA, Khan PA, Vafaei A, Ivory J, Strifler L, Ashoor
 18 HM, MacDonald H *et al*: **Comparative efficacy of serotonin (5-HT₃) receptor antagonists**
 19 **in patients undergoing surgery: a systematic review and network meta-analysis.** *BMC*
 20 *Medicine* 2015, (in press):13.

- 1 3. Tricco AC, Soobiah C, Blondal E, Veroniki AA, Khan PA, Vafaei A, Ivory J, Strifler L, Ashoor
2 HM, MacDonald H *et al*: **Comparative safety of serotonin (5-HT3) receptor antagonists**
3 **in patients undergoing surgery: a systematic review and network meta-analysis.** *BMC*
4 *Medicine* 2015, **(in press)**:13.
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