Supplementary material

Efficacy and Safety of Mechanical versus Manual Compression in Cardiac Arrest-

A Bayesian Network Meta-Analysis

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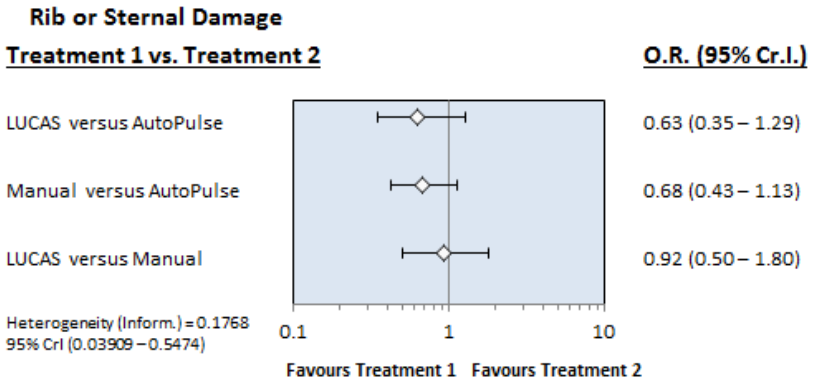
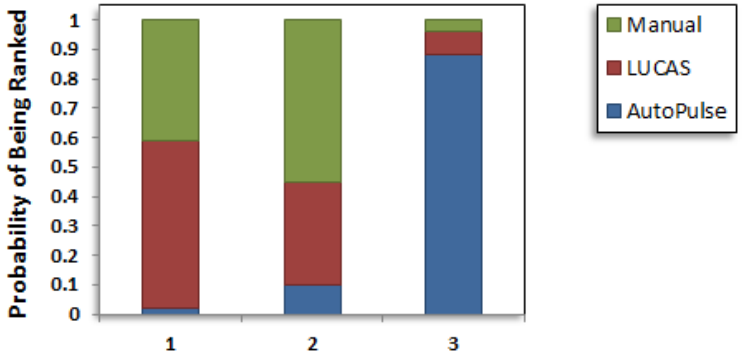
Table 1: Cochrane Bias Risk Assessment Scale

Studies	**Randomization**	**Allocation concealment**	**Blinding (Physician/Patient)**	**Adjudication of outcomes**	**Selective outcome reporting**	**Incomplete data reporting addressed?**	**Free of other bias?**
ASPIRE (2006)							
Axelsson et al (2006)							
PARAMEDIC (2015)							
Koster et al (2017)							
Smekal et al (2011)							
LINC (2013)							
CIRC (2014)							
Green (low risk); White (unclear risk); Red (high risk)							





Treatment	SUCRA
LUCAS	0.74
Manual	0.69
AutoPulse	0.07

Figure 1: Forest plot and Rankogram showing comparisons for rib or sternal fracture

Section/topic	#	Checklist item	Reported on page #
TITLE			
Title	1	Identify the report as a systematic review, meta-analysis, or both.	1
ABSTRACT			
Structured summary	2	Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number.	2
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known.	3
Objectives	4	Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).	3
METHODS			
Protocol and registration	5	Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), and, if available, provide registration information including registration number.	Not available
Eligibility criteria	6	Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used as criteria for eligibility, giving rationale.	4
Information sources	7	Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched.	4
Search	8	Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.	4
Study selection	9	State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).	4
Data collection process	10	Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.	4-5
Data items	11	List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.	5
Risk of bias in individual studies	12	Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis.	Supplement Table 1
Summary measures	13	State the principal summary measures (e.g., risk ratio, difference in means).	5-7

Synthesis of results	14	Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I^2) for each meta-analysis.	5=7
Section/topic	#	Checklist item	Reported on page #
Risk of bias across studies	15	Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., publication bias, selective reporting within studies).	See S Table 1
Additional analyses	16	Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating which were pre-specified.	Not available
RESULTS			
Study selection	17	Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally with a flow diagram.	6
Study characteristics	18	For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations.	Table 1
Risk of bias within studies	19	Present data on risk of bias of each study and, if available, any outcome level assessment (see item 12).	S Table 1
Results of individual studies	20	For all outcomes considered (benefits or harms), present, for each study: (a) simple summary data for each intervention group (b) effect estimates and confidence intervals, ideally with a forest plot.	6-7
Synthesis of results	21	Present results of each meta-analysis done, including confidence intervals and measures of consistency.	6-7
Risk of bias across studies	22	Present results of any assessment of risk of bias across studies (see Item 15).	S Table 1
Additional analysis	23	Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).	Not available
DISCUSSION			
Summary of evidence	24	Summarize the main findings including the strength of evidence for each main outcome; consider their relevance to key groups (e.g., healthcare providers, users, and policy makers).	7-8
Limitations	25	Discuss limitations at study and outcome level (e.g., risk of bias), and at review-level (e.g., incomplete retrieval of identified research, reporting bias).	10
Conclusions	26	Provide a general interpretation of the results in the context of other evidence, and implications for future research.	10
FUNDING			
Funding	27	Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the systematic review.	Not available

Dataset for efficacy estimates (NA= Not Available)

Study ID	Studies	r[,1]	n[,1]	r[,2]	n[,2]	r[,3]	n[,3]	t[,1]	t[,2]	t[,3]	na[]
Survival at 30 days or hospital discharge											
1	Koster 2016	7	115	17	122	21	137	1	2	3	3
2	Axelsson 2006	8	159	10	169	NA	1	2	3	NA	2
3	ASPIRE 2006	23	394	37	373	NA	1	1	3	NA	2
4	Smekal 2011	6	75	7	73	NA	1	2	3	NA	2
5	LINC 2013	117	1300	118	1289	NA	1	2	3	NA	2
6	PARAMEDIC 2014	104	1652	193	2819	NA	1	2	3	NA	2
7	CIRC 2014	196	2099	233	2132	NA	1	1	3	NA	2
Survival at hospital admission											
1	Koster 2016	43	115	42	122	68	137	1	2	3	3
2	Axelsson 2006	38	159	37	169	NA	1	2	3	NA	2
3	ASPIRE 2006	102	394	89	373	NA	1	1	3	NA	2
4	PARAMEDIC 2014	377	1652	658	2819	NA	1	2	3	NA	2
5	Smekal 2011	18	75	15	73	NA	1	2	3	NA	2
6	LINC 2013	366	1300	357	1289	NA	1	2	3	NA	2
7	CIRC 2014	456	2099	532	2132	NA	1	1	3	NA	2
Return of spontaneous circulation											
1	Axelsson et al 2009	44	64	52	62	NA	1	2	3	NA	2
2	Axelsson et al 2006	51	159	51	169	NA	1	2	3	NA	2
3	PARAMEDIC 2014	522	1652	885	2819	NA	1	2	3	NA	2
4	Smekal et al 2011	30	75	23	73	NA	1	2	3	NA	2
5	LINC 2013	460	1300	446	1289	NA	1	2	3	NA	2
6	ASPIRE 2006	104	394	92	373	NA	1	1	3	NA	2
Neurological recovery											
1	ASPIRE et al 2006	12	394	28	373	NA	1	1	3	NA	2
2	PARAMEDIC 2014	77	1652	168	2819	NA	1	2	3	NA	2
3	LINC al 2013	108	1300	100	1289	NA	1	2	3	NA	2

4	CIRC 2014*	87	2099	112	2132	NA	1	1	3	NA	2

Random effects model code

```
                # this code for this model was adapted from WinBUGS code from the multi-parameter Evidence Synthesis Research
model           Group at the University of Bristol:  Website: www.bris.ac.uk/cobm/research/mpes
{
   for(i in
   1:NS)
   {
                # adjustment for multi-arm trials is
    w[i,1] <-0  zero for control arm

   delta[i,1]<- # treatment effect is
   0            zero for control arm
                                    # vague priors for all
       mu[i] ~ dnorm(0,.0001)       trial baselines
       for (k in                    # LOOP
   1:na[i])                         THROUGH ARMS
          {
          r[i,k] ~
          dbin(p[i,k],n[i,k]        # binomial
          )                         likelihood
          logit(p[i,k]) <- mu[i] +  # model for
          delta[i,k]                linear predictor
          rhat[i,k] <- p[i,k]       # expected value of the
          * n[i,k]                  numerators
          #Deviance
          contribution
           dev[i,k] <- 2 * (r[i,k] * (log(r[i,k])-log(rhat[i,k]))   +  (n[i,k]-r[i,k]) *
          (log(n[i,k]-r[i,k]) - log(n[i,k]-rhat[i,k])))
          }
          resdev[i] <-              #  summed residual deviance
          sum(dev[i,1:na[i]])       contribution for this trial
          for (k in                  # LOOP
          2:na[i])                  THROUGH ARMS
          {
```

```
        delta[i,k] ~
        dnorm(md[i,k],taud[i,k  # trial-specific LOR
        ])                      distributions
        md[i,k] <-  d[t[i,k]] - # mean of LOR distributions (with
        d[t[i,1]] + sw[i,k]     multi-arm trial correction)
        taud[i,k] <- tau        # precision of LOR distributions (with
        *2*(k-1)/k              multi-arm trial correction)
        w[i,k] <- (delta[i,k] - # adjustment for multi-
        d[t[i,k]] + d[t[i,1]])  arm RCTs
        sw[i,k] <- sum(w[i,1:k- # cumulative adjustment for
        1])/(k-1)               multi-arm trials
        }
}
totresdev<-         # Total Residual
sum(resdev[])       Deviance

d[1]
<-0
for (k in
2:NT)
{
        d[k] ~ dnorm(0,.0001) #  vague
        priors for basic parameters
}
sd~dunif(                       #  vague prior for random effects
0,2)                            standard deviation
tau<-
1/pow(sd,                       #  vague prior for random effects
2)                              standard deviation
                                # Informative log-normal prior  for heterogeneity
                                variance parameter tau - Turner 2012
                                # Informative log-normal prior  for heterogeneity
                                variance parameter tau - Turner 2012
                                # Informative log-normal prior  for heterogeneity
                                variance parameter tau - Turner 2012
```

```
# Treatment 1 baseline, based on average of
NP trials including it.

#
rank
ing
for (k in
1:NT)
{
        rk[k]<-NT+1-        # events
        rank(d[],k)         good
                            # events
                            bad
        best[k]<-
        equals(rk[k],1)
        for (h in
        1:NT)
        {
                prob[k,h]<-
                equals(rk[k],h)
        }
}
for (k in
1:NT)
{
        for (h in
        1:NT)
        {
                cumeffectiveness[k,h]<-sum(prob[k,1:h])   # The cumulative ranking probability of
                treatment i to be among the j best treatments.
        }
}
```

```
    for(i in
    1:NT)
    {
        SUCRA[i]<-sum(cumeffectiveness[i,1:(NT-1)])/(NT-1) # The surface
    under the cumulative rankings for treatment i.
    }
    # pairwise
    ORs
    for (c in
    1:(NT-1))
    {
            for (k in
            (c+1):NT)
            {
                    OR[c,k] <-
                    exp(d[k] - d[c] )
                    lOR[c,k]<-
                    d[k]-d[c]
            }
    }

    #END
}   Program
```

Random effect (informative priors) results for efficacy estimates

Survival at 30 days or hospital discharge								
Node statistics								
node	**mean**	**SD**	**MC error**	**2.50%**	**median**	**97.50%**	**start**	**sample**
OR[1,2]	1.362	0.2637	0.003825	0.9579	1.326	1.99	20001	60000
OR[1,3]	1.426	0.2196	0.003128	1.09	1.396	1.94	20001	60000
OR[2,3]	1.061	0.1259	0.001607	0.8347	1.054	1.33	20001	60000
SUCRA[1]	0.0245	0.1157	0.001144	0	0	0.5	20001	60000
SUCRA[2]	0.6376	0.2676	0.003221	0	0.5	1	20001	60000
SUCRA[3]	0.8379	0.2362	0.002741	0.5	1	1	20001	60000
best[1]	0.003467	0.05878	4.00E-04	0	0	0	20001	60000
best[2]	0.3187	0.466	0.005482	0	0	1	20001	60000
best[3]	0.6778	0.4673	0.005471	0	1	1	20001	60000
dev[1,1]	2.091	1.698	0.01774	0.02563	1.716	6.333	20001	60000
dev[1,2]	0.6693	0.8982	0.004902	7.54E-04	0.325	3.208	20001	60000
dev[1,3]	0.9678	1.199	0.005923	0.001337	0.525	4.325	20001	60000
dev[2,1]	0.5346	0.7648	0.003278	4.88E-04	0.2418	2.699	20001	60000
dev[2,2]	0.6345	0.8952	0.003755	5.99E-04	0.2902	3.173	20001	60000
dev[3,1]	0.8994	1.212	0.007209	9.37E-04	0.4351	4.351	20001	60000
dev[3,2]	1.01	1.348	0.007086	0.001086	0.4912	4.802	20001	60000
dev[4,1]	0.5394	0.7677	0.003237	5.27E-04	0.2438	2.714	20001	60000
dev[4,2]	0.6118	0.8602	0.003574	6.36E-04	0.2777	3.057	20001	60000
dev[5,1]	0.8381	1.185	0.006921	7.83E-04	0.3791	4.239	20001	60000
dev[5,2]	0.8249	1.167	0.005503	8.05E-04	0.3752	4.179	20001	60000
dev[6,1]	0.8067	1.154	0.007675	6.77E-04	0.3639	4.065	20001	60000
dev[6,2]	0.8997	1.27	0.005455	9.28E-04	0.4104	4.476	20001	60000
dev[7,1]	1.227	1.678	0.01321	0.001232	0.5782	6.004	20001	60000
dev[7,2]	1.135	1.572	0.008456	0.001205	0.5326	5.6	20001	60000
prob[1,1]	0.003467	0.05878	4.00E-04	0	0	0	20001	60000

	prob[1,2]	0.04207	0.2007	0.001862	0	0	1	20001	60000
	prob[1,3]	0.9545	0.2085	0.002047	0	1	1	20001	60000
	prob[2,1]	0.3187	0.466	0.005482	0	0	1	20001	60000
	prob[2,2]	0.6378	0.4806	0.005149	0	1	1	20001	60000
	prob[2,3]	0.04353	0.2041	0.001989	0	0	1	20001	60000
	prob[3,1]	0.6778	0.4673	0.005471	0	1	1	20001	60000
	prob[3,2]	0.3201	0.4665	0.005471	0	0	1	20001	60000
	prob[3,3]	0.002	0.04468	2.33E-04	0	0	0	20001	60000
	resdev[1]	3.728	1.975	0.02194	0.7763	3.438	8.533	20001	60000
	resdev[2]	1.169	1.443	0.006161	0.02113	0.6583	5.213	20001	60000
	resdev[3]	1.91	1.702	0.01205	0.07414	1.465	6.37	20001	60000
	resdev[4]	1.151	1.443	0.006102	0.02072	0.6285	5.245	20001	60000
	resdev[5]	1.663	1.699	0.01051	0.03996	1.138	6.25	20001	60000
	resdev[6]	1.706	1.739	0.01068	0.04244	1.17	6.373	20001	60000
	resdev[7]	2.362	2.269	0.01963	0.06649	1.687	8.428	20001	60000
	rk[1]	2.951	0.2314	0.002288	2	3	3	20001	60000
	rk[2]	1.725	0.5353	0.006443	1	2	3	20001	60000
	rk[3]	1.324	0.4723	0.005481	1	1	2	20001	60000
	sd	0.1234	0.067	9.73E-04	0.03566	0.1098	0.2902	20001	60000
	totresdev	13.69	4.609	0.03011	6.288	13.13	24.24	20001	60000

dic.stats()

DIC

Dbar = post.mean of -2logL; Dhat = -2LogL at post.mean of stochastic nodes

	Dbar	Dhat	pD	DIC
r	92.886	82.682	10.204	103.09
total	92.886	82.682	10.204	103.09

gr(OR)

Gelman Rubin statistic

trace(OR)

Dynamic trace

Survival to hospital admission								
OR[1,2]	1.093	0.1499	0.00168	0.8143	1.087	1.412	20001	60000
OR[1,3]	1.132	0.1242	0.001241	0.8976	1.127	1.389	20001	60000
OR[2,3]	1.043	0.09588	9.39E-04	0.8719	1.037	1.251	20001	60000
SUCRA[1]	0.1925	0.3323	0.003196	0	0	1	20001	60000
SUCRA[2]	0.5349	0.3648	0.003639	0	0.5	1	20001	60000
SUCRA[3]	0.7726	0.2939	0.002472	0	1	1	20001	60000
best[1]	0.1024	0.3032	0.00239	0	0	1	20001	60000
best[2]	0.3035	0.4598	0.00416	0	0	1	20001	60000
best[3]	0.594	0.4911	0.004153	0	1	1	20001	60000
dev[1,1]	0.638	0.906	0.006081	6.16E-04	0.2917	3.236	20001	60000
dev[1,2]	2.162	1.979	0.01346	0.01033	1.661	7.117	20001	60000
dev[1,3]	2.728	2.313	0.01307	0.02133	2.199	8.488	20001	60000
dev[2,1]	0.7443	1.033	0.004796	7.60E-04	0.347	3.668	20001	60000
dev[2,2]	0.7225	1.011	0.004212	7.32E-04	0.3305	3.607	20001	60000
dev[3,1]	1.263	1.603	0.01017	0.001566	0.6572	5.725	20001	60000
dev[3,2]	1.213	1.565	0.008133	0.001465	0.6231	5.639	20001	60000
dev[4,1]	0.8636	1.209	0.007516	8.55E-04	0.3981	4.285	20001	60000
dev[4,2]	0.9191	1.306	0.005546	8.57E-04	0.4173	4.637	20001	60000
dev[5,1]	0.7533	1.034	0.004658	7.96E-04	0.3533	3.705	20001	60000
dev[5,2]	0.677	0.9471	0.00392	6.54E-04	0.3129	3.389	20001	60000
dev[6,1]	0.9096	1.276	0.007094	8.88E-04	0.4137	4.575	20001	60000
dev[6,2]	0.9033	1.267	0.005335	9.02E-04	0.4133	4.493	20001	60000
dev[7,1]	0.9653	1.373	0.008073	9.02E-04	0.4399	4.858	20001	60000
dev[7,2]	0.9899	1.396	0.006366	9.63E-04	0.4454	4.996	20001	60000
prob[1,1]	0.1024	0.3032	0.00239	0	0	1	20001	60000
prob[1,2]	0.1802	0.3843	0.002865	0	0	1	20001	60000
prob[1,3]	0.7175	0.4502	0.004338	0	1	1	20001	60000
prob[2,1]	0.3035	0.4598	0.00416	0	0	1	20001	60000
prob[2,2]	0.4627	0.4986	0.003707	0	0	1	20001	60000

prob[2,3]	0.2338	0.4232	0.004006	0	0	1	20001	60000
prob[3,1]	0.594	0.4911	0.004153	0	1	1	20001	60000
prob[3,2]	0.3572	0.4792	0.003716	0	0	1	20001	60000
prob[3,3]	0.04878	0.2154	0.001369	0	0	1	20001	60000
resdev[1]	5.529	2.543	0.02016	1.144	5.376	11.18	20001	60000
resdev[2]	1.467	1.527	0.007218	0.04552	0.9854	5.635	20001	60000
resdev[3]	2.475	2.043	0.01558	0.09772	1.987	7.655	20001	60000
resdev[4]	1.783	1.787	0.01014	0.04487	1.233	6.545	20001	60000
resdev[5]	1.43	1.485	0.006759	0.07176	0.9553	5.566	20001	60000
resdev[6]	1.813	1.802	0.01008	0.04581	1.257	6.654	20001	60000
resdev[7]	1.955	1.966	0.01231	0.04907	1.351	7.224	20001	60000
rk[1]	2.615	0.6645	0.006391	1	3	3	20001	60000
rk[2]	1.93	0.7297	0.007278	1	2	3	20001	60000
rk[3]	1.455	0.5878	0.004944	1	1	3	20001	60000
sd	0.1158	0.06293	8.60E-04	0.03365	0.1029	0.2737	20001	60000
totresdev	16.45	4.911	0.02842	8.194	15.98	27.43	20001	60000

dic.stats()

DIC

Dbar = post.mean of -2logL; Dhat = -2LogL at post.mean of stochastic nodes

	Dbar	Dhat	pD	DIC
r	109.465	98.442	11.023	120.489
total	109.465	98.442	11.023	120.489

gr(OR)

Gelman Rubin statistic

trace(OR)

Dynamic trace

Return of spontaneous circulation

OR[1,2]	0.9497	0.2203	0.002337	0.5924	0.9247	1.452	20001	60000
OR[1,3]	0.9336	0.1985	0.002112	0.6091	0.9123	1.38	20001	60000
OR[2,3]	0.9909	0.08945	8.54E-04	0.8287	0.9855	1.186	20001	60000

SUCRA[1]	0.664	0.4403	0.004426	0	1	1	20001	60000
SUCRA[2]	0.464	0.3831	0.003628	0	0.5	1	20001	60000
SUCRA[3]	0.372	0.3388	0.003171	0	0.5	1	20001	60000
best[1]	0.6055	0.4887	0.004773	0	1	1	20001	60000
best[2]	0.2601	0.4387	0.003984	0	0	1	20001	60000
best[3]	0.1344	0.3411	0.002737	0	0	1	20001	60000
dev[1,1]	2.3	2.19	0.01028	0.009761	1.714	7.984	20001	60000
dev[1,2]	2.415	2.105	0.009637	0.02124	1.899	7.689	20001	60000
dev[2,1]	0.6647	0.9398	0.004441	6.53E-04	0.3062	3.331	20001	60000
dev[2,2]	0.6651	0.9493	0.004085	6.61E-04	0.3012	3.327	20001	60000
dev[3,1]	0.8919	1.252	0.007874	9.22E-04	0.4062	4.494	20001	60000
dev[3,2]	0.9338	1.321	0.005439	9.56E-04	0.4232	4.697	20001	60000
dev[4,1]	1.042	1.317	0.00616	0.001122	0.5482	4.729	20001	60000
dev[4,2]	0.9968	1.274	0.005286	0.001167	0.5182	4.525	20001	60000
dev[5,1]	0.8655	1.225	0.006105	8.29E-04	0.3936	4.359	20001	60000
dev[5,2]	0.8681	1.237	0.005774	8.01E-04	0.3893	4.389	20001	60000
dev[6,1]	0.9865	1.404	0.00854	0.001019	0.448	4.989	20001	60000
dev[6,2]	0.9877	1.398	0.007413	9.50E-04	0.4481	4.958	20001	60000
prob[1,1]	0.6055	0.4887	0.004773	0	1	1	20001	60000
prob[1,2]	0.1169	0.3213	0.001809	0	0	1	20001	60000
prob[1,3]	0.2776	0.4478	0.004248	0	0	1	20001	60000
prob[2,1]	0.2601	0.4387	0.003984	0	0	1	20001	60000
prob[2,2]	0.4078	0.4914	0.003631	0	0	1	20001	60000
prob[2,3]	0.3321	0.471	0.004129	0	0	1	20001	60000
prob[3,1]	0.1344	0.3411	0.002737	0	0	1	20001	60000
prob[3,2]	0.4753	0.4994	0.003541	0	0	1	20001	60000
prob[3,3]	0.3903	0.4878	0.004346	0	0	1	20001	60000
resdev[1]	4.715	1.915	0.01282	1.489	4.498	9.339	20001	60000
resdev[2]	1.33	1.511	0.007175	0.03008	0.8216	5.529	20001	60000
resdev[3]	1.826	1.829	0.01092	0.04581	1.264	6.78	20001	60000

resdev[4]	2.039	1.6	0.008171	0.2126	1.622	6.317	20001	60000
resdev[5]	1.734	1.769	0.009669	0.04105	1.18	6.533	20001	60000
resdev[6]	1.974	1.988	0.01394	0.05087	1.357	7.28	20001	60000
rk[1]	1.672	0.8807	0.008853	1	1	3	20001	60000
rk[2]	2.072	0.7661	0.007256	1	2	3	20001	60000
rk[3]	2.256	0.6777	0.006341	1	2	3	20001	60000
sd	0.1089	0.0655	8.72E-04	0.03127	0.0932	0.2777	20001	60000
totresdev	13.62	4.286	0.02474	6.975	13.02	23.55	20001	60000

dic.stats()

DIC

Dbar = post.mean of -2logL; Dhat = -2LogL at post.mean of stochastic nodes

	Dbar	Dhat	pD	DIC
r	85.473	76.381	9.092	94.565
total	85.473	76.381	9.092	94.565

gr(OR)

Gelman Rubin statistic

trace(OR)

Dynamic trace

Neurological recovery

OR[1,2]	1.444	0.4383	0.0056	0.8663	1.377	2.446	20001	60000
OR[1,3]	1.566	0.3496	0.004952	1.059	1.514	2.391	20001	60000
OR[2,3]	1.115	0.1871	0.001452	0.7941	1.102	1.515	20001	60000
SUCRA[1]	0.04829	0.1637	0.00159	0	0	0.5	20001	60000
SUCRA[2]	0.584	0.2762	0.002325	0	0.5	1	20001	60000
SUCRA[3]	0.8677	0.225	0.001693	0.5	1	1	20001	60000
best[1]	0.009983	0.09942	7.65E-04	0	0	0	20001	60000
best[2]	0.2508	0.4335	0.003254	0	0	1	20001	60000
best[3]	0.7392	0.4391	0.003295	0	1	1	20001	60000
dev[1,1]	1.563	1.756	0.01534	0.00289	0.9764	6.295	20001	60000
dev[1,2]	1.518	1.865	0.01111	0.002087	0.8363	6.674	20001	60000

	dev[2,1]	1.074	1.479	0.0112	0.001089	0.503	5.272	20001	60000
	dev[2,2]	1.081	1.504	0.00699	0.001096	0.5046	5.331	20001	60000
	dev[3,1]	1.129	1.546	0.009466	0.001144	0.5286	5.51	20001	60000
	dev[3,2]	1.064	1.479	0.006928	0.001074	0.4975	5.236	20001	60000
	dev[4,1]	1.175	1.628	0.01441	0.001099	0.5431	5.789	20001	60000
	dev[4,2]	1.064	1.499	0.008435	0.001035	0.4827	5.354	20001	60000
	prob[1,1]	0.009983	0.09942	7.65E-04	0	0	0	20001	60000
	prob[1,2]	0.07662	0.266	0.00231	0	0	1	20001	60000
	prob[1,3]	0.9134	0.2812	0.002672	0	1	1	20001	60000
	prob[2,1]	0.2508	0.4335	0.003254	0	0	1	20001	60000
	prob[2,2]	0.6665	0.4715	0.003529	0	1	1	20001	60000
	prob[2,3]	0.08268	0.2754	0.00254	0	0	1	20001	60000
	prob[3,1]	0.7392	0.4391	0.003295	0	1	1	20001	60000
	prob[3,2]	0.2569	0.4369	0.003241	0	0	1	20001	60000
	prob[3,3]	0.003917	0.06246	3.53E-04	0	0	0	20001	60000
	resdev[1]	3.081	2.203	0.02352	0.1744	2.683	8.467	20001	60000
	resdev[2]	2.155	2.078	0.01534	0.05597	1.538	7.675	20001	60000
	resdev[3]	2.193	2.086	0.01408	0.06095	1.582	7.703	20001	60000
	resdev[4]	2.238	2.198	0.02068	0.0538	1.583	8.168	20001	60000
	rk[1]	2.903	0.3274	0.003181	2	3	3	20001	60000
	rk[2]	1.832	0.5525	0.00465	1	2	3	20001	60000
	rk[3]	1.265	0.45	0.003386	1	1	2	20001	60000
	sd	0.1588	0.0947	0.001265	0.04076	0.138	0.3982	20001	60000
	totresdev	9.668	4.093	0.03035	3.131	9.177	19.16	20001	60000

dic.stats()

DIC

Dbar = post.mean of -2logL; Dhat = -2LogL at post.mean of stochastic nodes

	Dbar	Dhat	pD	DIC
r	57.676	50.661	7.015	64.691
total	57.676	50.661	7.015	64.691

gr(OR)
Gelman Rubin statistic
trace(OR)
Dynamic trace

Search algorithm (PubMed/MEDLINE)

(("heart arrest"[MeSH Terms] OR ("heart"[All Fields] AND "arrest"[All Fields]) OR "heart arrest"[All Fields] OR ("cardiac"[All Fields] AND "arrest"[All Fields]) OR "cardiac arrest"[All Fields]) AND ("heart arrest"[MeSH Terms] OR ("heart"[All Fields] AND "arrest"[All Fields]) OR "heart arrest"[All Fields])) OR "cardiopulmonary resuscitation"[All Fields] OR ("cardiopulmonary resuscitation"[MeSH Terms] OR ("cardiopulmonary"[All Fields] AND "resuscitation"[All Fields]) OR "cardiopulmonary resuscitation"[All Fields] OR "CPR"[All Fields]) AND mechanical[All Fields] OR (load[All Fields] AND distributing[All Fields] AND ("Band"[Journal] OR "band"[All Fields])) OR (piston[All Fields] AND driven[All Fields]) OR lucas[All Fields] OR autopulse.[All Fields] AND (Clinical Trial[ptyp] AND "loattrfull text"[sb] AND "humans"[MeSH Terms]).