

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DmDtBrt is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.885	Retain the null hypothesis.
2	The distribution of DmAge is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.926	Retain the null hypothesis.
3	The distribution of DmHght is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.315	Retain the null hypothesis.
4	The distribution of DmWght is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.408	Retain the null hypothesis.
5	The distribution of DmBMI is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.751	Retain the null hypothesis.
6	The distribution of Eligibilty_validator is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	1.000	Retain the null hypothesis.
7	The distribution of VSVstDt is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.749	Retain the null hypothesis.
8	The distribution of VSTm is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.150	Retain the null hypothesis.
9	The distribution of VSBPsyst is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.517	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

¹ Exact significance is displayed for this test.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
10	The distribution of VSBPdst is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.591	Retain the null hypothesis.
11	The distribution of VSPIs is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.348	Retain the null hypothesis.
12	The distribution of FBCRtnFBC is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	1.000	Retain the null hypothesis.
13	The distribution of FBCRtnFBCRsIt is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.929	Retain the null hypothesis.
14	The distribution of FBCPCV is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.864	Retain the null hypothesis.
15	The distribution of FBCMCGIQstn is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.327	Retain the null hypothesis.
16	The distribution of FBCMCGIQstnScr is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.934	Retain the null hypothesis.
17	The distribution of FBCAnlgsPrf is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	1.000	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

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Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
18	The distribution of ODEBL is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.
19	The distribution of ODDsctnEBLID is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.
20	The distribution of ODSeverityOozeEBLID is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.
21	The distribution of ODVgnlPckNsct is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.307	Retain the null hypothesis.
22	The distribution of ODStrtOprtn is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.057	Retain the null hypothesis.
23	The distribution of ODEndOprtn is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.082	Retain the null hypothesis.
24	The distribution of ODDrtnOprtn is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.	Unable to compute.
25	The distribution of ODPtntShrtFrm is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

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Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
26	The distribution of DAOFBC is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.993	Retain the null hypothesis.
27	The distribution of DAOHB is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.933	Retain the null hypothesis.
28	The distribution of DAOPCV is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.891	Retain the null hypothesis.
29	The distribution of DAOPtntCmpl is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.008	Reject the null hypothesis.
30	The distribution of DAOPtntCmpl3qustn is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.684	Retain the null hypothesis.
31	The distribution of DAOAnyAE is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.139	Retain the null hypothesis.
32	The distribution of DAODschrgDt is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.801	Retain the null hypothesis.
33	The distribution of DAODschrgTm is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.150	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

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Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
34	The distribution of DAODrtnHspt is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.859 ₁	Retain the null hypothesis.
35	The distribution of FUDtAssessment is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.935	Retain the null hypothesis.
36	The distribution of FUAnAdvEvt is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.444	Retain the null hypothesis.
37	The distribution of FUWks6Srg is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.995	Retain the null hypothesis.
38	The distribution of FUVgnRgn is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.629	Retain the null hypothesis.
39	The distribution of IncExcDtInfCnst is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.808	Retain the null hypothesis.
40	The distribution of ODDtOpr is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.882	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

₁ Exact significance is displayed for this test.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
41	The distribution of FUPlvcMtm is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.200	Retain the null hypothesis.
42	The distribution of Return to Theatre (1/0) is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.296	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

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Table 3: Mann-Whitney U test across all continuous variables
Significant differences observed in ODEBL, ODDsctnEBLID, ODSeverityOozeEBLID (all $p < 0.0001$), ODPtShortForm $p < 0.0001$ and DAOPtCompl $p = 0.008$

Narrowly not significant ODStrtOprtn 0.057 and ODEndOprtn 0.082

Conclusions:

There are no significant baseline differences between groups. There is no reason to adjust for differences between groups. Use of saline / group 2 infiltrate appears to be strongly associated with increased bleeding (difference in EBL 110ml $p < 0.001$), increased ooze (IDK what scale this is but difference 5.01 $p < 0.001$) and increased ODDsctnEBLID (IDK what scale this is but difference 2.96 $p < 0.001$). There was no difference in pre or post op measures of Hb or PCV, nor differences in use of analgesia. However, patients in group two reported higher post op pain scores (ODPtShortForm difference 8.71 $p < 0.001$), and higher DAOPtCompl (difference 2.42 $p = 0.008$). This analysis is reported on an intention to treat basis without imputation of missing data.

Group Statistics

	RandomizedToGroup	N	Mean	Std. Deviation	Std. Error Mean
changehb	1.0	61	15.1148	8.70268	1.11426
	2.0	56	13.5714	9.45777	1.26385

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DiffinHHB is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.692	Retain the null hypothesis.
2	The distribution of DiffinsamedayMcgill is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.
3	The distribution of DiffinnextdayMcgill is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.033	Reject the null hypothesis.
4	The distribution of ODDrtnOprtn is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.063	Retain the null hypothesis.
5	The distribution of changehb is the same across categories of RandomizedToGroup.	Independent-Samples Mann-Whitney U Test	.359	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Group Statistics

	RandomizedTo Group	N	Mean	Std. Deviation	Std. Error Mean
DiffinHHB	1.0	78	40.308	49.1146	5.5611
	2.0	75	40.600	54.7653	6.3238
DiffinsamedayMcgill	1.0	78	5.295	9.2794	1.0507
	2.0	75	12.400	10.8578	1.2538
DiffinnextdayMcgill	1.0	78	4.333	8.1411	.9218
	2.0	75	5.667	9.2610	1.0694
ODDrtnOprtn	1.0	78	1:33:38.46	1:23:55.480	0:09:30.156
	2.0	75	1:30:54.40	0:31:53.380	0:03:40.938