

CORRECTION

Correction: Addition of Lidocaine Injection Immediately before Physiotherapy for Frozen Shoulder: A Randomized Controlled Trial

The *PLOS ONE* Staff

[Fig 1](#) and [Fig 2](#) are incorrect. Please view correct versions of the figures [here](#).

There are errors in [Table 1](#) and [Table 2](#) of the published article. Please view the correct tables [here](#).



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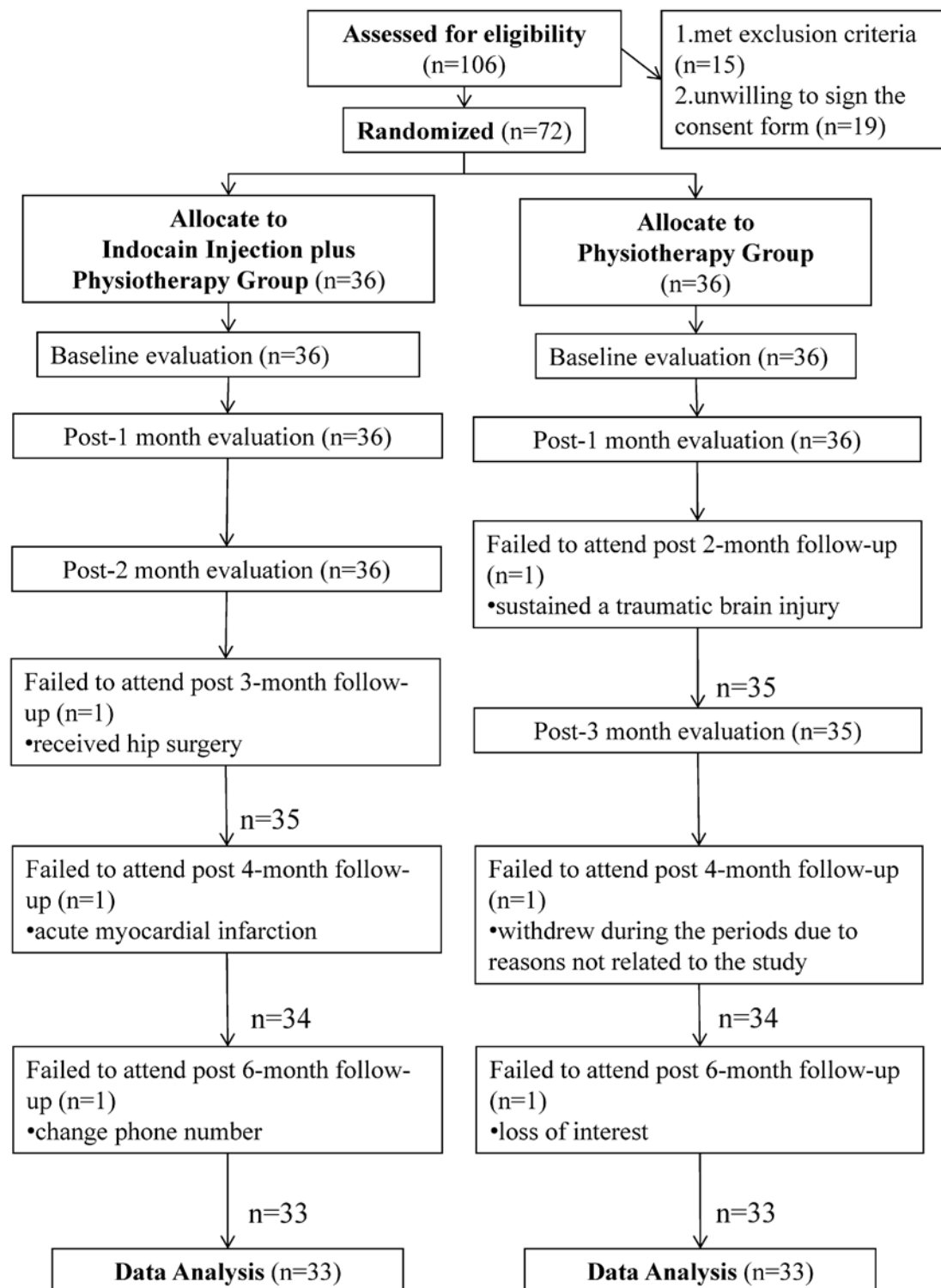


Fig 1. The consolidated standards for reporting trials: a flow diagram of the study. Abbreviations: PT, physiotherapy group; INJPT, lidocaine injection plus physiotherapy group.

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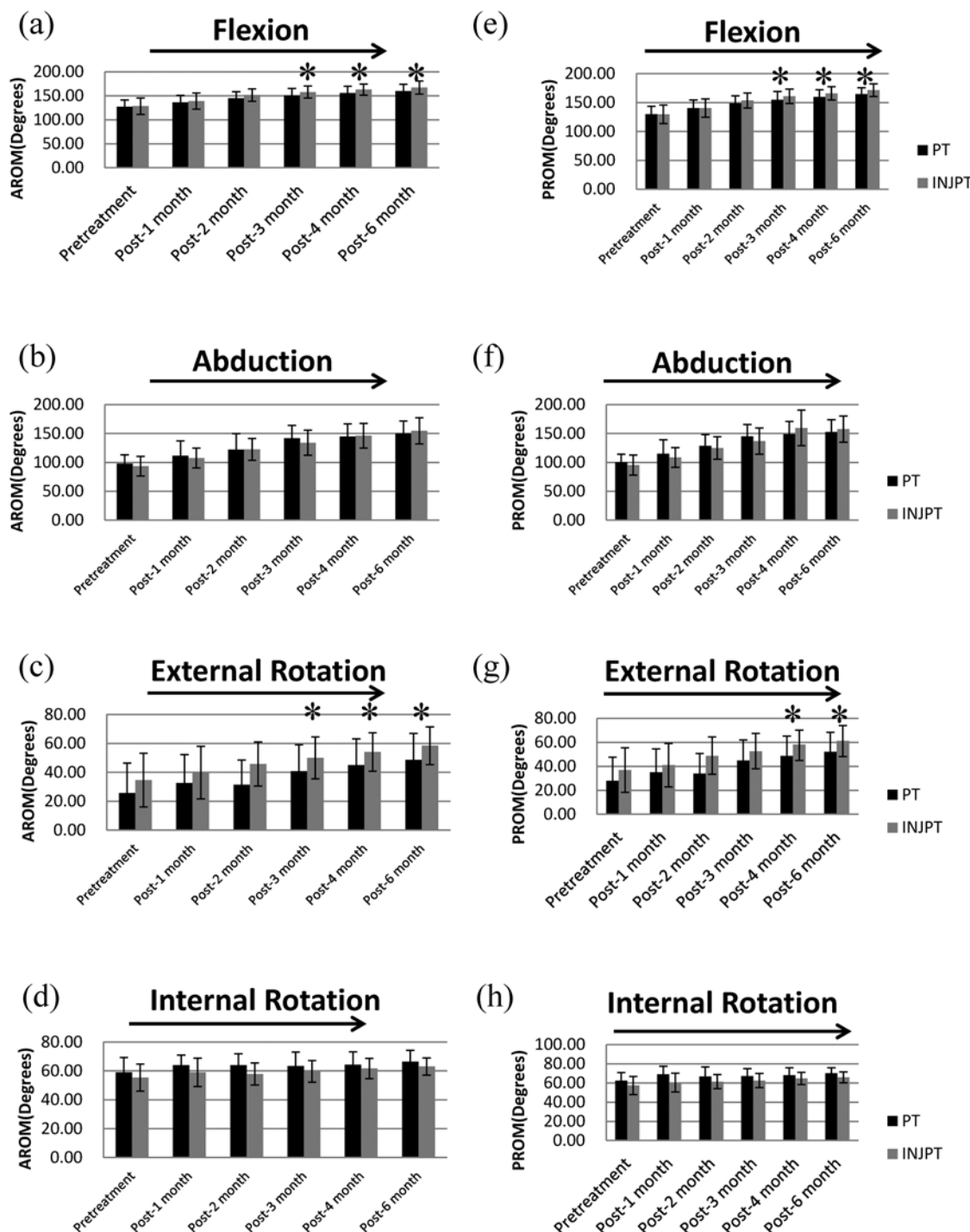


Fig 2. Comparisons of the active and passive ROMs between the groups. Shown as bar charts for (a) flexion, (b) abduction, (c) external rotation, and (d) internal rotation for active ROM and for (e) flexion, (f) abduction, (g) external rotation, and (h) internal rotation for passive ROM with the corresponding standard deviations represented as error bars. An asterisk indicates significant differences between groups ($P < 0.008$). For the evaluation times (evaluation times: before and 1, 2, 3, 4, and 6 months after the start of treatment), a right arrow above the graph indicates a significant, linearly increasing trend, whereas a left arrow indicates a significant, linearly decreasing trend ($P < 0.025$). (Black bar: the PT group; gray bar: the INJPT group). Group differences were analyzed using Mann-Whitney U test. Treatment time effects were analyzed using Friedman's test for two groups respectively. Abbreviations: PT, physical therapy; INJPT, injection plus physical therapy.

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Table 1. Demographic and Clinical Characteristics of the Subjects

Characteristic		PT Group (n = 33)	INJPT Group (n = 33)	<i>P</i> ^a
Sex	male	8	7	.76
	female	25	26	
Exercise habits	yes	11	13	.60
	no	22	20	
NSAID	yes	17	21	.31
	no	16	12	
				<i>P</i> ^b
Age (y)		56.41 ± 9.44	54.88 ± 7.06	.85
Weight (kg)		62.09 ± 9.69	59.61 ± 10.91	.33
Height (cm)		161.09 ± 8.37	159.79 ± 7.87	.51
Disease duration (months)		4.54 ± 3.25	6.12 ± 5.05	.14

NOTE. Values are expressed as means ± SD or numbers.

Group differences were analyzed using either a chi-squared test or an independent *t* test.

^a*P* < .05, significant difference from the chi-square

^b*P* < .05, significant difference from the independent *t* test

Abbreviations: PT, physical therapy; INJPT, injection plus physical therapy; NSAID, non-steroidal anti-inflammatory drug.

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Table 2. Effect of Time on the Secondary Outcome Measurements

Scores on Questionnaires		Group	Evaluation Time						Time Effects	
			Pre-treatment	Post-1month	Post-2months	Post-3 months	Post-4 months	Post-6 months		Mean Difference of 95% CI.
SDQ		PT	48.20 ± 19.03	35.70 ± 18.81	29.28 ± 20.05	29.83 ± 18.96	25.33 ± 18.75	22.61 ± 17.94	0.000 ~0.146	<.001*
		INJPT	39.06 ± 7.99	35.03 ± 8.04	27.02 ± 12.4	24.38 ± 14.33	19.86 ± 14.91	10.58 ± 15.72	0.000 ~0.087	<.001*
SPADI	Pain	PT	46.36 ± 23.01	32.73 ± 18.66	28.30 ± 17.70	29.82 ± 18.72	24.91 ± 16.56	21.79 ± 16.31	0.000 ~0.146	<.001*
		INJPT	55.27 ± 22.43	49.45 ± 27.92	31.03 ± 18.08	25.76 ± 16.69	22.91 ± 18.39	16.73 ± 14.27	0.000 ~0.087	<.001*
	Disa	PT	36.25 ± 18.47	28.03 ± 18.50	23.00 ± 17.24	21.98 ± 19.38	18.77 ± 17.42	16.86 ± 14.48	0.000 ~0.146	<.001*
		INJPT	54.55 ± 22.47	45.04 ± 22.79	30.34 ± 19.63	26.25 ± 19.78	21.97 ± 19.49	16.74 ± 16.60	0.000 ~0.087	<.001*
	Total	PT	41.31 ± 19.68	30.38 ± 17.85	25.65 ± 16.83	25.44 ± 18.94	21.31 ± 15.99	19.32 ± 14.75	0.000 ~0.146	<.001*
		INJPT	54.91 ± 20.48	47.25 ± 22.34	30.69 ± 17.93	26.00 ± 17.65	22.44 ± 17.88	16.73 ± 14.81	0.000 ~0.087	<.001*
SF-36	Physical functioning	PT	75.61 ± 15.45	77.88 ± 16.25	79.70 ± 13.93	79.70 ± 14.13	81.12 ± 15.18	83.30 ± 13.87	0.000 ~0.146	<.001*
		INJPT	71.21 ± 18.79	73.94 ± 19.83	76.67 ± 17.93	76.97 ± 18.03	80.76 ± 18.33	81.67 ± 17.62	0.000 ~0.087	<.001*
	Role-physical	PT	44.70 ± 39.80	57.88 ± 40.29	63.67 ± 34.60	64.61 ± 32.10	65.36 ± 32.27	75.33 ± 35.82	0.000 ~0.146	<.001*

(Continued)

Table 2. (Continued)

Scores on Questionnaires	Group	Evaluation Time							Time Effects <i>P</i> *
		Pre-treatment	Post-1month	Post-2months	Post-3 months	Post-4 months	Post-6 months	Mean Difference of 95% CI.	
Bodily pain	INJPT	37.88 ± 41.98	46.97 ± 46.25	65.15 ± 42.82	62.88 ± 41.51	71.97 ± 38.91	75.76 ± 39.27	0.000 ~0.087	<.001*
	PT	52.58 ± 13.69	62.27 ± 17.42	66.61 ± 15.97	62.39 ± 16.45	67.33 ± 14.81	70.73 ± 17.91	0.000 ~0.146	<.001*
General health	INJPT	44.55 ± 18.80	55.24 ± 18.46	61.70 ± 15.79	65.85 ± 15.49	66.39 ± 14.55	70.06 ± 17.87	0.000 ~0.087	<.001*
	PT	64.18 ± 19.83	58.52 ± 19.70	62.12 ± 18.57	59.91 ± 18.52	62.03 ± 80.82	64.76 ± 18.03	0.000 ~0.146	<.001*
Vitality	INJPT	58.61 ± 19.85	60.42 ± 20.05	65.39 ± 18.98	64.27 ± 20.10	65.48 ± 19.38	64.76 ± 19.07	0.000 ~0.142	.006*
	PT	63.79 ± 19.29	62.88 ± 17.28	58.94 ± 14.83	60.88 ± 16.10	62.45 ± 16.66	65.97 ± 15.57	0.000 ~0.146	<.001*
Social functioning	INJPT	55.91 ± 21.45	58.18 ± 18.24	59.39 ± 19.91	61.06 ± 20.53	61.52 ± 18.81	61.97 ± 20.42	0.407 ~0.744	.577
	PT	79.17 ± 19.43	81.06 ± 22.78	80.95 ± 14.34	82.36 ± 12.72	84.77 ± 13.82	87.27 ± 13.02	0.000 ~0.146	.001*
Role-emotional	INJPT	79.55 ± 19.47	80.68 ± 15.96	81.06 ± 18.25	81.82 ± 14.01	85.23 ± 12.29	84.09 ± 12.99	0.050 ~0.313	.272
	PT	74.75 ± 37.30	79.80 ± 35.30	74.14 ± 37.74	77.27 ± 35.38	75.19 ± 35.66	79.75 ± 33.29	0.302 ~0.751	.474
Mental health	INJPT	67.68 ± 42.07	77.78 ± 37.88	76.77 ± 37.72	79.8 ± 38.13	83.84 ± 32.41	86.87 ± 28.79	0.000 ~0.087	.003*
	PT	68.61 ± 19.80	69.33 ± 18.35	66.48 ± 16.65	68.33 ± 17.45	69.97 ± 17.47	71.42 ± 17.17	0.000 ~0.146	.002*
	INJPT	68.85 ± 20.90	69.33 ± 18.57	67.03 ± 19.47	68.73 ± 18.67	67.88 ± 18.53	64.97 ± 21.05	0.811 ~1.000	.845

NOTE. Values are expressed as means ± SD or numbers.

*Treatment time effects were analyzed using Friedman's test for two groups respectively.

**P*<.025, significant difference

Abbreviations: CI., confidence interval; PT, physical therapy; INJPT, injection plus physical therapy; SDQ, Shoulder Disability Questionnaire; SPADI, Shoulder Pain and Disability Index; Disa, Disability; SF-36, 36-item Short-Form Health Survey

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Reference

1. Hsu W-C, Wang T-L, Lin Y-J, Hsieh L-F, Tsai C-M, Huang K-H. (2015) Addition of Lidocaine Injection Immediately before Physiotherapy for Frozen Shoulder: A Randomized Controlled Trial. PLoS ONE 10(2): e0118217. doi: [10.1371/journal.pone.0118217](https://doi.org/10.1371/journal.pone.0118217) PMID: [25714415](https://pubmed.ncbi.nlm.nih.gov/25714415/)