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ABOUT COVER

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AIMS AND SCOPE

The primary aim of World Journal of Orthopedics (WJO, World J Orthop) is to provide scholars and readers from various fields of orthopedics with a platform to publish high-quality basic and clinical research articles and communicate their research findings online.

WJO mainly publishes articles reporting research results and findings obtained in the field of orthopedics and covering a wide range of topics including arthroscopy, bone trauma, bone tumors, hand and foot surgery, joint surgery, orthopedic trauma, osteoarthropathy, osteoporosis, pediatric orthopedics, spinal diseases, spine surgery, and sports medicine.

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CORRECTION

Erratum: Rates of readmission and reoperation after operative management of midshaft clavicle fractures in adolescents

Laura A Carrillo, Hao Hua Wu, Matt Callahan, Aman Chopra, Toshali Katyal, Ishaan Swarup

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Abstract

This is an erratum to an already published paper. We found an error in the results section and Table 1. Specifically, we have revised results with $n \le 10$ to be reflected as such, which is consistent with the reporting instructions by the Agency for Healthcare Research and Quality. Please note, these changes do not affect our results, and we had previously listed this requirement in the results section. We apologize for our unintentional mistake.

Key Words: Adolescent; Clavicle fracture; Reoperation; Readmission; Correction

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Core Tip: This is an erratum to an already published paper. We found an error in the results section and Table 1. Specifically, we have revised results with $n \le 10$ to be reflected as such, which is consistent with the reporting instructions by the Agency for Healthcare Research and Quality. Please note, these changes do not affect our results, and we had previously listed this requirement in the results section. We apologize for our unintentional mistake.

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TO THE EDITOR

This is an erratum to an already published paper[1]. We found an error in the results section and Table 1. Specifically, we have revised results with $n \le 10$ to be reflected as such, which is consistent with the reporting instructions by the Agency for Healthcare Research and Quality. Please note, these changes do not affect our results, and we had previously listed this requirement in the results section. We apologize for our unintentional mistake.

Table 1 Adolescent fracture demographics: Reoperation vs no reoperation

Predictor variables		Cohort proportion, %	Cohort total, n	Cohort proportion, %	Cohort total, n	P value
Sex	Male	0.68	36	0.83	229	0.01
	Female	0.32	17	0.17	47	
Race	White	0.79	42	0.78	209	0.86
	Hispanic	-	≤ 10 ¹	0.12	31	
	Black	-	≤ 10 ¹	0.05	14	
	Other	-	≤ 10 ¹	0.05	13	
Payer type	Commercial	0.74	39	0.62	175	0.47
	Medicaid	-	≤ 10 ¹	0.24	67	
	Self-pay	-	≤ 10 ¹	0.06	17	
	Other	-	≤ 10 ¹	0.08	22	
State	CA	-	≤ 10 ¹	0.20	55	< 0.01
	FL	0.98	52	0.80	226	
Median income quartile	0-25 th %	-	≤ 10 ¹	0.20	42	0.64
	26^{th} - 50^{th} %	0.34	16	0.34	70	
	51^{st} -75 th %	0.28	13	0.29	61	
	76^{th} - 100^{th} %	0.23	11	0.16	34	
Hospital type	Academic	-	≤ 10 ¹	0.07	19	0.07
	Children's	-	≤ 10 ¹	-	≤ 10 ¹	
	Community	0.75	40	0.77	215	
	County	-	≤ 10 ¹	0.14	38	
	Outpatient	-	≤ 10 ¹	-	≤ 10 ¹	
Age	Mean	15.87 ± 1.8	53	16.08 ± 1.7	281	0.41

¹Please note that data with ≤ 10 patients is not reported due to database reporting restrictions. CA: California; FL: Florida.

FOOTNOTES

Author contributions: Carrillo LA, Wu HH, Callahan M, Chopra A, Katyal T, Swarup I wrote this correction manuscript.

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REFERENCES

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