Prognosis of Adjuvant SOX vs XELOX Chemotherapy for Gastric Cancer After D2 Gastrectomy in Chinese Patients

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Introduction: To compare the prognosis of adjuvant SOX (S-1 and oxaliplatin) vs XELOX (capecitabine and oxaliplatin) chemotherapy in Chinese patients with gastric cancer (GC) after D2 gastrectomy.

Methods: This was a real-world study of patients with GC (stages II–III) who underwent D2 gastrectomy and received adjuvant SOX or XELOX between 01/2010 and 06/2017 in Zhongshan Hospital affiliated to Fudan University. The patients were matched by propensity score matching. The primary and secondary endpoints were disease-free survival (DFS) and overall survival (OS), respectively. Adverse events (AEs) were compared.

Results: A total of 552 patients were included. The median follow-up time was 24.9 months. There were no differences in DFS (median, 44.4 vs 41.2 months; HR=1.17, 95% CI: 0.92–1.48) and OS (median, 61.5 vs 65.3 months; HR=1.01, 95% CI: 0.73–1.39) between the XELOX and SOX groups. Both DFS and OS had no significant differences between SOX and XELOX for all subgroups based on sex (P=0.949, P=0.990), age (P=0.303, P=0.392), Lauren type (P=0.362, P=0.573), type of gastrectomy (P=0.607, P=0.989), and pathological TNM stage (P=0.899, P=0.888). A total of 86 patients in the SOX subgroup (34.2%) experienced AEs, similar to the rate found in the XELOX subgroup (104 patients or 41.4%; P=0.098).

Discussion: The results suggested that adjuvant SOX chemotherapy has similar survival benefits compared to XELOX chemotherapy in Chinese patients with pathological stage II or III GC after D2 gastrectomy.

Keywords: gastric cancer, gastrectomy, adjuvant chemotherapy, capecitabine, oxaliplatin, S-1, XELOX

Introduction

Gastric cancer (GC) is one of the most common malignancies in the world, with an annual incidence of about one million, making it the fifth most common cancer and the third leading cause of cancer-related deaths worldwide.^{1,2} The highest rates of estimated morbidity and mortality have been observed in Eastern Asian countries.¹

Although radical gastrectomy with D2 lymphadenectomy is considered the most beneficial curative option,³ the chances of tumor recurrence and metastasis still constitute major concerns and drawbacks after surgery in Eastern countries^{4–6} Fortunately, a large number of clinical trials have shown that adjuvant chemotherapy decreases the risk of recurrence and improves the survival of patients with

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GC.^{7–11} Nevertheless, the most optimal regimen has not been clearly identified for adjuvant chemotherapy after D2 gastrectomy.

The multicenter CLASSIC trial in Eastern Asia showed that adjuvant oxaliplatin plus capecitabine (XELOX regimen) after curative D2 gastrectomy improves disease-free survival (DFS) and overall survival (OS) compared with surgery alone.^{7,8} Another trial showed that S-1 (an oral combination of tegafur, gimeracil, and oteracil at a molar ratio of 1:0.4:1) improves survival after D2 gastrectomy in Japan.¹² Both capecitabine and S-1, which are oral fluoropyrimidines, have been proposed as substitutes for continuous infusion of 5-FU because they are more convenient and have lower risks.^{13,14} The Japanese ACTS-GC trial showed that adjuvant S-1 monotherapy could improve relapse-free survival (RFS) and OS rates.¹² As it is hard to complete a 1-year course of adjuvant S-1 monotherapy, it is difficult to achieve satisfactory clinical expectations; therefore, it is essential to investigate the efficacy of S-1 combined with oxaliplatin as adjuvant treatment for GC.

Recently, adjuvant oxaliplatin plus S-1 (SOX regimen) for GC has been shown to be associated with survival benefits, and adjuvant SOX is considered an effective treatment alternative for GC.^{9–11} A previous study by our group suggested that oxaliplatin-based adjuvant chemotherapy regimens (such as XELOX and SOX) show remarkable survival benefits in patients with intestinal-type GC after D2 gastrectomy.¹⁵ A Phase III trial of XELOX vs SOX after D2 gastrectomy suggested that both regimens could achieve similar DFS.¹⁶ Another study examined the efficacy of adjuvant SOX vs XELOX after D2 gastrectomy for stage III GC, and showed that both regimens achieved similar benefits, but highlighted that additional data are needed in subgroups of patients, especially regarding sex and histological type.¹⁷

Therefore, the aim of this study was to compare the prognosis of patients who received adjuvant SOX vs XELOX in GC.

Materials and Methods

Study Design and Patients

This was a real-world study using a database of patients with GC (stages I to IV), who underwent D2 gastrectomy and received adjuvant chemotherapy between January 2010 and June 2017 in Zhongshan Hospital affiliated to Fudan University. This study was approved by the Ethics Committee of Zhongshan Hospital affiliated to Fudan University. The need for individual consent was

waived by the committee, because this real-world study retrospectively retrieved data from medical records. Patient data were confidential, and the study was in compliance with the Declaration of Helsinki.

Inclusion criteria were: 1) histologically proven gastric adenocarcinoma after radical gastrectomy with D2 lymph node dissection; 2) 20–75 years of age, with adequate organ functions; 3) no neoadjuvant chemotherapy or radiotherapy; 4) pathological stage II or III GC according to the 8th edition of the AJCC cancer staging manual; 5) adjuvant XELOX or SOX; 6) no adjuvant radiotherapy or chemoradiotherapy within 6 months after surgery; and 7) no synchronous or metachronous cancer. Exclusion criteria were: 1) positive resection margin; 2) metastatic disease (M1); or 3) change of adjuvant chemotherapy regimen during treatment.

Data Collection

Sex, age, pathological and clinical TNM stage, detailed pathological information, chemotherapy regimen, diagnosis date, operation date, dates of initiation and termination of chemotherapy, recurrence or progression date, follow-up dates, and death date were extracted from the database. Complete blood count and blood chemistry analyses were routinely performed before the initiation of each cycle. Adverse events (AEs) were evaluated using the National Cancer Institute-Common Toxicity Criteria version 3.0.

Chemotherapy Regimen

All patients received adjuvant chemotherapy within 6 weeks after surgery, according to the National Comprehensive Cancer Network (NCCN)³ and the Chinese Society of Clinical Oncology (CSCO)¹⁸ guidelines. Patients were administered 8 cycles of the XELOX or SOX regimen for 6 months. The XELOX regimen consisted of 3-week cycles of oxaliplatin (130 mg/m² on day 1 of each cycle, intravenously) plus capecitabine (1000 mg/m² twice daily on days 1–14, orally). The SOX regimen consisted of 3-week cycles of oxaliplatin (130 mg/m² on day 1 of each cycle, intravenously) plus S-1 (daily oral dose of 80, 100, or 120 mg in two separate administrations on the basis of body surface area on days 1–14). Both regimens have the same indications.¹⁸

Adverse events were graded according to the National Cancer Institute's Common Terminology Criteria for Adverse Events (version 3.0). All patients were assessed for adverse events during chemotherapy and within 28 days after the last dose of medication.

Follow-Up

Patients were followed for DFS and OS every 3 months within 2 years after surgery, every 6 months within 5 years, and every 12 months beyond 5 years. All patients were followed routinely by physical examination, serum tumor marker evaluation, chest and abdominal computed tomography (CT), and gastrointestinal endoscopic examination. As per routine practice, whole-body bone scan, abdominal magnetic resonance imaging (MRI), and positron emission tomography/CT (PET/CT) scan were performed if needed.

Endpoints

The dates of first relapse and death were recorded. The primary and secondary endpoints were DFS and OS, respectively. DFS was determined from the date of operation to the date of recurrence or metastasis, new GC, or death from any cause. OS was defined as the period from the date of operation to last follow-up or death for any reason.

Statistical Analysis

Age was dichotomized. Categorical data were presented as numbers and percentages, and analyzed by the chi-square test. Continuous data were tested for normality by the Kolmogorov–Smirnov test, presented as means $\pm$ standard deviations, and analyzed by the Student's *t*-test. DFS and OS were estimated by the Kaplan–Meier method. Propensity score matching (PSM) accounted for age, sex, Lauren type, type of gastrectomy, pathological tumor (T) stage, and pathological node (N) stage, and was performed using a logistic regression model and the nearest neighbor matching algorithm with a ratio of 1:1. A difference of $<10\%$ of the absolute value was considered to be balanced. Estimates of treatment benefits were calculated as hazard ratios (HRs) with 95% confidence intervals (CIs). Significant variables in univariable analysis were further investigated by a multivariable Cox proportional hazards model. A generalized linear model (GLM) adjusted for age, sex, Lauren classification, type of gastrectomy, and pathological TNM stage was used to compare survival between the two groups. Analyses were performed with SPSS 23.0 (IBM, Armonk, NY, USA). *P*-values <0.05 were considered statistically significant.

Results

Characteristics of the Patients

From January 2010 to June 2017, a total of 552 patients satisfied all the eligibility criteria, and 517 were excluded

from the study (Figure 1). There were 118 patients (21.4%) with pathological stage II and 434 (78.6%) with pathological stage III GC. According to the Lauren classification, there were 164 patients (29.7%) with intestinal-type GC, 232 (42.0%) with diffuse-type GC, and 156 (28.3%) with mixed-type GC. Among the 552 patients, 251 (45.5%) received adjuvant SOX, and 301 (54.5%) were administered adjuvant XELOX.

The baseline characteristics of the patients before and after PSM are shown in Table 1. After adjustment of background factors by PSM, both groups were well balanced with respect to sex, age, Lauren type, type of gastrectomy, pathological T stage, and pathological N stage (all $P>0.05$).

Follow-Up

The last follow-up was performed in June 2018, and the median follow-up time was 24.9 (range, 3.2–103.2) months. Of the 552 patients, 305 (55.4%; 130 and 175 in the SOX and XELOX groups, respectively) showed metastasis or recurrence, and 170 died (30.8%; 64 and 106 in the SOX and XELOX groups, respectively) by the last follow-up day.

Before PSM, there were no significant differences between patients receiving SOX and XELOX for median DFS (HR=1.11, 95% CI: 0.89–1.41) and median OS (HR=0.97, 95% CI: 0.71–1.33). After PSM, there were no differences in DFS (median, 44.4 vs 41.2 months; HR=1.17, 95% CI: 0.92–1.48) and OS (median, 61.5 vs 65.3 months; HR=1.01, 95% CI: 0.73–1.39) between the XELOX and SOX groups (Table 2). Similar results were observed using the GLM (both 95% CIs crossing 1).

After PSM, there were no significant differences in median DFS (SOX 24.8 vs XELOX 28.7 months $P=0.196$; HR=1.17, 95% CI: 0.92–1.48) (Figure 2A) and median OS (SOX 69.8 vs XELOX 59.4 months, $P=0.966$; HR=1.01, 95% CI: 0.71–1.39) (Figure 2B) between the two chemotherapy regimens. Among patients with pathological stage II GC, SOX did not lead to significantly longer DFS (SOX 50.5 vs XELOX 57.5, $P=0.891$; HR=1.05, 95% CI: 0.55–2.00) (Figure 2C) or OS (SOX not reached vs XELOX not reached, $P=0.852$; HR=1.11, 95% CI: 0.38–3.22) (Figure 2D) compared with the XELOX subgroup. In patients with pathological stage III GC, similar findings were obtained, and DFS (SOX 20.2 vs XELOX 26.2 months, $P=0.182$; HR=1.19, 95% CI: 0.92–1.54) (Figure 2C) and

Figure 1 Patient flowchart. According to the eligibility criteria, 517 were excluded from the 1069 patients identified, and 552 patients were analyzed.

OS (SOX 69.8 vs XELOX 52.0 months, $P=0.976$; HR=0.99, 95% CI: 0.71–1.39) (Figure 2D) were not significantly different between the SOX and XELOX regimens. In patients with pathological stage III GC, Kaplan–Meier curves for DFS or OS did not show differences between the two adjuvant regimens for the intestinal (DFS, HR=1.07, 95% CI: 0.61–1.89; OS, HR=1.00, 95% CI: 0.47–2.13), diffuse (DFS, HR=1.05,

95% CI: 0.73–1.51; OS, HR=0.93, 95% CI: 0.58–1.48) and mixed (DFS, HR=1.57, 95% CI: 0.99–2.57; OS, HR=1.10, 95% CI: 0.60–2.05) types (Figure 2E and F).

Subgroup Analyses

Figure 3 shows that DFS was similar between the SOX and XELOX regimens for all subgroups based on sex ($P=0.949$), age ($P=0.303$), Lauren type ($P=0.362$), type

Table 1 Characteristics of the Patients Administered SOX or XELOX

Characteristics	Before PSM			After PSM		
	SOX Subgroup (n=251)	XELOX Subgroup (n=301)	P	SOX Subgroup (n=251)	XELOX Subgroup (n=251)	P
Sex						
Male	163 (64.9%)	210 (69.8%)	0.228	163 (64.9%)	174 (69.3%)	0.296
Female	88 (35.5%)	91 (30.2%)		88 (35.5%)	77 (30.7%)	
Age (years)						
>60	96 (38.2%)	132 (43.8%)	0.183	96 (38.2%)	116 (46.2%)	0.071
≤60	155 (61.8%)	169 (56.1%)		155 (61.8%)	135 (53.8%)	
Lauren type						
Intestinal	68 (27.1%)	96 (31.9%)	0.308	68 (27.1%)	80 (31.9%)	0.499
Diffuse	105 (41.8%)	127 (42.2%)		105 (41.8%)	99 (39.4%)	
Mixed	78 (31.1%)	78 (25.9%)		78 (31.1%)	72 (28.7%)	
Type of gastrectomy						
Total	119 (47.4%)	126 (41.9%)	0.389	119 (47.4%)	102 (40.6%)	0.270
Distal	118 (47.0%)	159 (52.8%)		118 (47.0%)	136 (54.2%)	
Proximal	14 (5.6%)	16 (5.3%)		14 (5.6%)	13 (5.2%)	
Pathological T-stage						
T1	5 (2.0%)	8 (2.7%)	0.121	5 (2.0%)	5 (2.0%)	0.063
T2	25 (10.0%)	35 (11.6%)		25 (10.0%)	26 (10.4%)	
T3	69 (27.5%)	57 (18.9%)		69 (27.5%)	44 (17.5%)	
T4	152 (60.5%)	201 (66.8%)		152 (60.5%)	176 (70.1%)	
Pathological N-stage						
N0	21 (8.4%)	29 (9.6%)	0.615	21 (8.4%)	21 (8.4%)	0.867
N1	35 (13.9%)	40 (13.3%)		35 (13.9%)	33 (13.1%)	
N2	75 (29.8%)	76 (25.2%)		75 (29.8%)	68 (27.1%)	
N3	120 (47.9%)	156 (51.9%)		120 (47.9%)	129 (51.4%)	
Pathological TNM stage						
II	50 (19.9%)	68 (22.6%)	0.446	50 (19.9%)	53 (21.1%)	0.740
III	201 (80.1%)	233 (77.4%)		201 (80.1%)	198 (78.9%)	

Abbreviations: PSM, propensity score matching; SOX, S-I and oxaliplatin; XELOX, oxaliplatin and capecitabine; TNM, tumor node metastasis.

of gastrectomy ($P=0.607$), and pathological TNM stage ($P=0.899$). [Figure 4](#) shows that OS was also similar between the SOX and XELOX regimens for all subgroups based on sex ($P=0.990$), age ($P=0.392$), Lauren type ($P=0.573$), type of gastrectomy ($P=0.989$), and pathological TNM stage ($P=0.888$).

Table 2 DFS and OS of the XELOX and SOX Subgroups After PSM or GLM

	DFS (Months)			OS (Months)		
	XELOX	SOX	HR (95% CI)	XELOX	SOX	HR (95% CI)
PSM	44.4	41.2	1.17 (0.92–1.48)	61.5	65.3	1.01 (0.73–1.39)
GLM*	41.8	41.2	1.06 (0.84–1.34)	60.5	65.3	0.91 (0.66–1.25)

Note: *Adjusted for age, sex, Lauren classification, type of gastrectomy, and pathological TNM stage.

Abbreviations: DFS, disease-free survival; OS, overall survival; SOX, S-I and oxaliplatin; XELOX, oxaliplatin and capecitabine; HR, hazards ratio; CI, confidence interval; PSM, propensity-matched analysis; GLM, generalized linear model.

Figure 2 Kaplan–Meier survival curves for disease-free survival (DFS) and overall survival (OS) after propensity score matching (PSM). DFS (A) and OS (B) analyses for the XELOX and SOX regimens. DFS (C) and OS (D) analyses of patients with pathological stage II and III GC treated with the SOX and XELOX regimens. DFS (E) and OS (F) analyses of patients treated with the SOX and XELOX regimens in different Lauren type GC of pathological stage III disease.

Adverse Events

AEs in the SOX and XELOX groups after PSM are shown in Table 3. A total of 86 patients in the SOX group

(34.2%) experienced AEs, similar to the rate found in the XELOX subgroup (104 patients or 41.4%; $P=0.098$). There were no differences in nausea/vomiting,

Subgroup Analyses of Disease Free Survival

Figure 3 Subgroup analyses of disease-free survival (DFS) after propensity score matching (PSM).

myelosuppression, peripheral neurotoxicity, and hand-foot syndrome (all $P > 0.05$). The most common adverse events were gastrointestinal issues and myelosuppression.

Discussion

A previous study suggested that SOX and XELOX achieve similar survival in patients with GC after gastrectomy,¹⁷ but additional data in subgroups were needed. Therefore, this study aimed to compare adjuvant SOX (S-1 and oxaliplatin) and XELOX (capecitabine and oxaliplatin) chemotherapy for survival benefits in Chinese patients with gastric cancer (GC) after D2 gastrectomy. The results

suggested that adjuvant SOX chemotherapy resulted in similar survival benefits compared to XELOX chemotherapy in Chinese patients with pathological stage II or III GC after D2 gastrectomy. The AE profiles were also similar between the two regimens.

In Eastern countries, the most widely used therapeutic procedure for the treatment of GC is radical gastrectomy with D2 lymph node dissection,^{19,20} and this procedure is gaining popularity in Western countries.¹⁹ Nevertheless, chemotherapy after gastrectomy is required.³ The CLASSIC trial performed in 37 centers in South Korea, China, and Taiwan showed significantly higher rates of

Subgroup Analyses of Overall Survival

Figure 4 Subgroup analyses of overall survival (OS) after propensity score matching (PSM).

DFS and OS in the adjuvant XELOX group compared with the surgery alone group.^{7,8} SOX is an emerging chemotherapy regimen widely used in China and Japan.^{10,11,17,21–23} A randomized phase III trial of metastatic cases suggested that SOX is not less potent than CS (cisplatin plus S-1) in terms of PFS and OS.²³ Compared with the CS regimen, the SOX regimen has several benefits, including no need for hydration due to low renal toxicity.²³ In 2017, a Phase II trial revealed that SOX chemotherapy is manageable and safe for pathological stage III GC after D2 gastrectomy.⁹ Another phase II trial of SOX in China showed 1- and 3-year DFS rates

of 85.2% and 75.9%, respectively, while 1- and 3-year OS rates were 98.1% and 85.2%, respectively.¹⁰ The results of the RESOLVE trial were announced at the ESMO Annual Meeting in 2019.¹⁶ This was a phase III clinical study initiated in China and carried out in pathologically confirmed patients with adenocarcinoma of the stomach or gastroesophageal junction. The participants were randomized to 8 cycles of adjuvant XELOX, 8 cycles of adjuvant SOX, and 3 cycles of neoadjuvant SOX. The 3-year DFS rates were 54.8%, 60.3%, and 62.0%, respectively, without significant differences. Hence, the RESOLVE trial concluded that SOX was not inferior to XELOX in 3-year

Table 3 Adverse Events After PSM

Event	SOX Subgroup (n=251)	XELOX Subgroup (n=251)	P
At least one adverse event	86 (34.2%)	104 (41.4%)	0.098
Nausea/vomiting	42 (16.7%)	40 (15.9%)	0.809
Myelosuppression	41 (16.7%)	52 (20.7%)	0.206
Peripheral neurotoxicity	22 (8.8%)	35 (13.9%)	0.067
Hand-foot syndrome	5 (2.0%)	3 (1.2%)	0.724

Abbreviations: PSM, propensity-matched analysis; SOX, S-1 and oxaliplatin; XELOX, oxaliplatin and capecitabine.

DFS after D2 gastrectomy,¹⁶ confirming the results of the present study, which was carried out in a real-world setting.

In Japan, a study by Nakamura et al¹⁷ suggested that SOX and XELOX could achieve similar survival in patients with GC after D2 gastrectomy, but highlighted that additional subgroup data are needed. In China, Cheng et al¹⁵ showed that oxaliplatin-based adjuvant chemotherapy regimens (such as XELOX and SOX) have substantial survival benefits in patients with intestinal-type GC after D2 gastrectomy. Recently, the JACCRO GC-07 trial demonstrated a better survival after treatment with docetaxel plus S-1 compared with S-1 monotherapy after D2 gastrectomy for Stage III GC.²⁴ As a control for docetaxel + S-1 the latter trial assessed S-1 monotherapy, rather than the SOX/XELOX regimen. Currently, there is no reported head-to-head comparison between the docetaxel+S-1 and SOX/XELOX regimens. In addition, no randomized phase III studies have confirmed that postoperative S1 monotherapy in stage III gastric cancer is not inferior to the SOX/XELOX regimen. The present study suggested that DFS and OS did not differ significantly between adjuvant SOX and XELOX chemotherapies in Chinese patients with pathological stage II and III GC after D2 gastrectomy.

At the 2018 ASCO meeting, a survival analysis of two phase II trials conducted in Japan reported HRs for SOX vs XELOX of 0.93 (95% CI: 0.50–1.72, P=0.81) for RFS and 1.10 (95% CI: 0.54–2.26, P=0.79) for OS in patients with pathological stage III GC. Furthermore, Ren et al²² showed that in patients with pathological stage IB to IIIC GC after D2 dissection, SOX has no significant differences in DFS and OS compared to the XELOX regimen after PSM. In the latter study, estimated 5-year DFS and OS were similar in the adjuvant SOX and XELOX groups (DFS, HR=0.658, 95% CI: 0.360–1.203; OS, HR=0.714, 95% CI: 0.382–1.334).²² Those findings were consistent with randomized trials showing similar survival outcomes for SOX in advanced GC.^{21,25,26} A randomized phase II trial reported

that the SOX and XELOX regimens are equally effective in patients with advanced GC.²¹ A previous study by our group showed that oxaliplatin-based adjuvant chemotherapy regimens are associated with improved survival rate in intestinal-type GC, while these effects were not observed in diffuse-type GC after D2 gastrectomy, compared with oxaliplatin-free adjuvant chemotherapy regimens.¹⁵ In this previous study, only the intestinal and diffuse types of GC, but not the mixed type, were assessed. Here, SOX seemed to show similar benefits in patients with intestinal-type, diffuse-type, or mixed-type GC compared to XELOX. Interestingly, a recent meta-analysis demonstrated that third-line (TLT) and salvage (ST) treatments are both superior to placebo or best supportive care in increasing OS and progression-free survival in advanced or metastatic GC,²⁷ and SOX or XELOX could be applied in such settings based on our findings.

As a strength, this was a real-world study including patients with stage II and III GC detected based on postoperative pathological evaluation. Therefore, the present findings are broadly applicable to GC patients. In addition, propensity score matching was used in this study to achieve better comparability between the two groups of patients.

However, the present study had some limitations because of its real-world and non-randomized design, including patients from a single center. The number of eligible patients may not be high enough, and the follow-up duration may be too short. Therefore, a large multi-center randomized study should further evaluate the prognostic effects of different adjuvant chemotherapy regimens with long-term follow-up. In addition, the present study was limited to Chinese patients with GC who received adjuvant SOX or XELOX after D2 gastrectomy. Thus, adjuvant SOX chemotherapy in other populations remains to be investigated because of potential differences in the pharmacokinetics and toxicity of S-1 between Western and Asian patients.²⁸ Furthermore, a global study should be conducted with standardized D2 dissection.

Conclusion

The above results suggest that adjuvant SOX chemotherapy has similar survival benefits compared to XELOX chemotherapy in Chinese patients with pathological stage II or III GC after D2 gastrectomy. The AE profiles were also similar between the two regimens.

Ethics Approval and Consent to Participate

This study was approved by the Ethics Committee of Zhongshan Hospital affiliated to Fudan University. The need for individual consent was waived by the committee, because this real-world study retrospectively retrieved data from medical records.

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Author Contributions

All authors made substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data; took part in drafting the article or revising it critically for important intellectual content; agreed on the journal to which the article will be submitted; gave final approval of the version to be published; and agree to be accountable for all aspects of the work.

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Disclosure

None of the authors declared any conflict of interest.

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