

Introduction

Due to its proven efficacy, endoscopic retrograde cholangiopancreatography (ERCP) is an increasingly used modality in pediatric populations, with utility extending to recurrent pancreatitis (the most common indication in children), chronic pancreatitis, and gallstone disease.

However, little is known about long-term ERCP outcomes in pediatric patients. The goal of this project was to assess longterm quality-of-life outcomes in pediatric ERCP using a questionnaire previously validated for patients with chronic pancreatitis.

Methods

Adult patients who had an ERCP performed as a child at one of our three academic centers were contacted to assess their willingness to participate in the survey. A telephone script was utilized to reduce bias in the posing of questions.

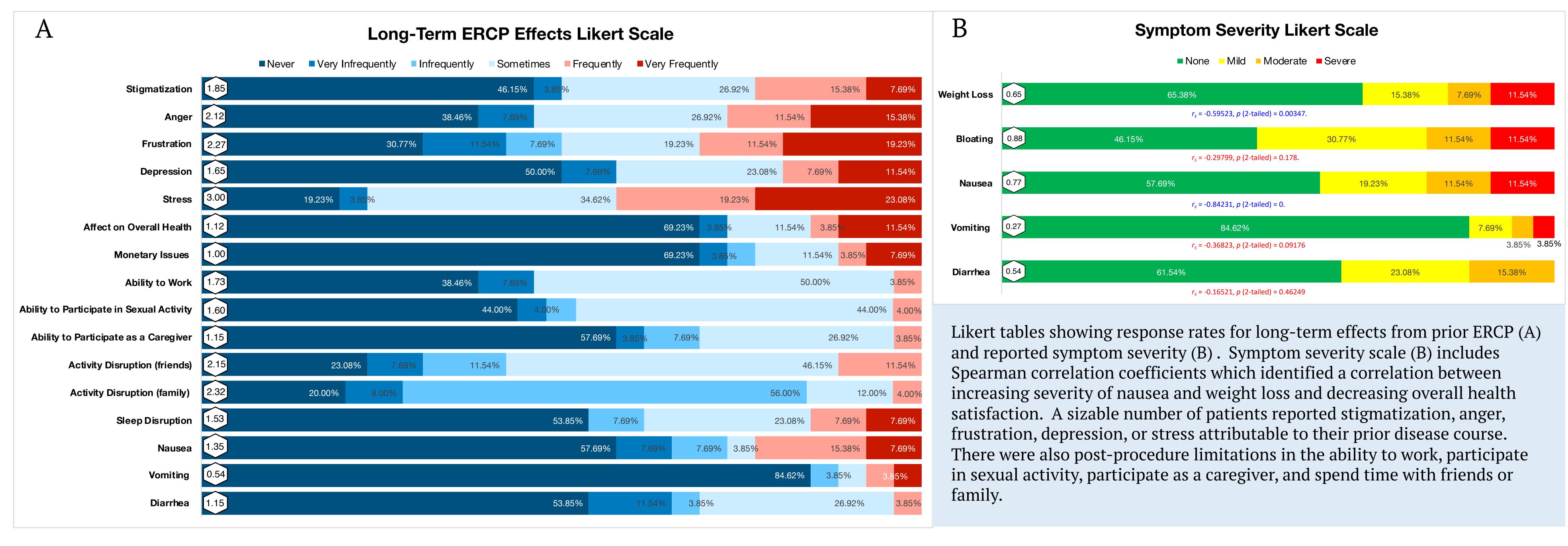
The questionnaire incorporated parts of pancreatitis quality of life instrument (PANQOLI), which has primarily been validated for chronic pancreatitis, as well as unique questions designed to evaluate distinctive problems posed by pancreatic and bile duct manipulation.

	Not at all	Slightly	Unsure	Mostly	Completely	
Overall Health Satisfaction	15.38%	11.54%	11.54%	15.38%	46.15%	
Cured by ERCP	11.54%	30.77%	19.23%	15.38%	23.08%	
	Unsure	No	Yes	Yes, multiple		
Additional ERCP	7.69%	57.69%	7.69%	26.92%		
Subsequent Surgery	0.00%	65.38%	23.08%	11.54%		
Acute Pancreatitis	0.00%	50.00%	15.38%	34.62%		
Chronic Pancreatitis	0.00%	57.69%	42.31%	0.00%		
	None	Mild	Moderate	Severe		
Diarrhea	61.54%	23.08%	15.38%	0.00%		
Vomiting	84.62%	7.69%	3.85%	3.85%		
Nausea	57.69%	19.23%	11.54%	11.54%		
Bloating	46.15%	30.77%	11.54%	11.54%		
Weight Loss	65.38%	15.38%	7.69%	11.54%		
	Never	Very Infrequently	Infrequently	Sometimes	Frequently	Very frequ
Diarrhea	53.85%	11.54%	3.85%	26.92%	3.85%	0.00%
Vomiting	84.62%	0.00%	3.85%	3.85%	3.85%	3.85%
Nausea	57.69%	7.69%	7.69%	3.85%	15.38%	7.69%

JT Health An Assessment of Pediatric ERCP Long-Term, Quality of Life Outcomes 🛛 🛃 CHRISTUS

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Results

26 patients completed the questionnaire, with 46.15% reporting complete satisfaction with their health. Though only 23.08% recounted that their presenting symptoms were cured by ERCP (Table 1), the majority of patients (69.23%) perceived no effect of the prior ERCP on their overall health as adults. 34.61% of patients needed at least one additional ERCP, and a diagnosis of chronic pancreatitis was described by 42.31% of surveyed patients.

Spearman correlation testing identified that increasing severity of nausea ($r_s = -0.84231$) and weight loss ($r_s = -0.59523$) correlated with decreases in patient health satisfaction (Figure 1A).

23.08% of patients continued to require pancreatic enzyme replacement into adulthood, and 4 of the 26 patients had prescriptions for opiate pain medication related to chronic abdominal pain. Very frequent stress and very frequent frustration were reported by 23.08% and 19.23% of patients, respectively (Figure 1B).

Discussion

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A limitation of this study is the questionnaire's reliance on patient recall, considering that many of these procedures were performed during childhood many years prior.



is study offers a glimpse into the long-term ysical, social, and emotional states of patients o underwent ERCP in childhood.

ough we found that chronic symptoms ated to ERCP contribute to decreased health isfaction, further study is needed to assess c factors for long-term complication in liatric ERCP.