SUPPLEMENTAL DIGITAL CONTENT

SUPPLEMENTAL DIGITAL CONTENT, TABLE 1. Summary of Rome IV criteria for classification of common functional gastrointestinal diseases that are often associated with abdominal cramping pain symptoms.

Functional	
gastrointestinal disease	
classification	Definition
Irritable bowel syndrome	Recurrent abdominal pain, occurring on at least 1 day/week over the past 3 months, which is associated with defecation or a change in bowel habits (frequency or appearance of stools)
Functional dyspepsia	One or more of the following:
	Feeling full after a meal
	Feeling full before finishing a meal (early satiety)
	Upper abdominal (epigastric) pain
	Upper abdominal burning
	Subtype: Postprandial distress syndrome, comprising one or
	both of the following on at least 3 days/week:
	Bothersome fullness after a meal (ie, severe enough to impact on usual activities)
	Bothersome feeling of fullness during a meal (ie, severe)
	enough to prevent finishing a regular size meal)
	Subtype: Epigastric pain syndrome, comprising one or both of
	the following on at least 1 day/week:
	Bothersome upper abdominal pain (ie, severe enough to impact on usual activities)

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	Bothersome upper abdominal burning (ie, severe enough
	to impact on usual activities)
Biliary pain	Pain in the upper abdomen and/or right-sided upper quadrant,
	and all the following:
	Builds up to a steady level and lasts 30 min or longer
	Occurs at different intervals (not daily)
	Severe enough to interrupt daily activities or lead to an
	emergency department visit
	Not significantly (<20%) related to bowel movements
	Not significantly (<20%) relieved by a change in posture or
	use of medications to reduce stomach acid
Narcotic bowel syndrome*	All the following:
	Long-lasting or frequently recurring abdominal pain
	(occurring on most days) that is treated with high-dose or
	long-term opioid medications
	The pain is not explained by a current or previous
	gastrointestinal diagnosis
	Two or more of the following:
	The pain worsens or does not resolve completely with
	continued or increasing doses of opioids
	There is marked worsening of pain when the opioid
	dose wears off and improvement when the next dose
	is taken (soar and crash)

Functional	
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classification	Definition
	 There is a progression in the frequency, duration, and
	intensity of pain episodes
Centrally mediated	All the following:
abdominal pain syndrome	Continuous or nearly continuous abdominal pain
	No or only occasional relationship of pain with eating,
	defecation, or menstruation
	Pain limits some aspect of daily functioning (eg, work, sex
	life, social/leisure activities, family life, caregiving)
	The pain is not feigned
	The pain is not explained by another gastrointestinal
	disorder or medical condition

^{*}Also referred to as opioid-induced gastrointestinal hyperalgesia.