

B/S

1. Bowel Sounds (BS)

G-type

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Background:

As noted in the introduction there are sharp differences ~~in~~ in sign ^{and symptom} + ~~st.~~

between 1-^G ~~MS~~ ^{motor neuron sickness (MS)} & SMS. While a subjective

total scale () has been developed to

score the presence ^{and} severity of MS ~~as~~ it

depends upon signs ~~not~~ variably present,

if at all, in SMS, eg, pallor, sweating,

nausea, etc. ~~A major~~ ^{currently} ~~to date~~ the only

consistent objective sign in SMS is ⁱⁿ the

upper GI ~~illness~~ ^{illum} which is manifest by

^{and} ~~the~~ only reliable objective evidence of

this are ~~as~~ bowel ~~sign~~ sounds or their

absence. ^{to date,} ~~In~~ every case studied, ^{by recordings} ~~to~~

~~date~~ ^{BS} sounds are ~~pre~~ absent or greatly

reduced during the course of the ^{SMS} syndrome

and reliably return at the end. The total number of studies is small and there ^{are} ~~is~~ no data on the ^{time course of the} ~~immediate on orbit~~ development ^{of 80% of 85 in} of the ⁱⁿ ~~ileus~~, hence this was an unusual opportunity for such a study.

The significance of the time course is that some hints might be obtained as the ^{stet} ~~proximate~~ immediate cause of the ^{presence or lack of 85 in} ~~ileus~~, i.e., is it neurologically mediated or by hormones?

Procedures & operations:

~~The~~ A recording technique ^{was} developed for STB-8 and subsequently reduced in size & weight. ~~was used~~ It consists of two commercially available electronic stethoscopes ^{mounted on} ~~in~~ an elastic belt which is ^{than} ~~placed~~ ^{and then secured with Velcro} ~~placed~~ around the upper abdomen. Sounds from the belt

~~stethoscopes~~ ^{stethoscopes} are recorded by a miniature professional two-track magnetic tape recorder.

Fig ()

On return the tapes are analysed by recording on a high-frequency electrostatic graphic recorder after filtering through a band pass

400 [?] to 3 KHz. The unfiltered sounds are

simultaneously monitored by a person the

investigator and each sound is indicated

on the ^{graphic} record by a marker. The number

of sounds are counted per 5 min epoch

^{and} plotted. This is at best semi quantitative ^{and}

overscores periods of low activity ^{and} under-

scores those of high activity, nevertheless, the

great ^{reduction} differences in such activity during SMS

allows this to be a useful system's method.

Sounds were ~~were~~ Fig ()

Results: