

Concurrent Session Two Proposal for possible change of management of nausea and vomiting in pregnancy at the 24-Hour Surgery

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PROPOSAL FOR POSSIBLE CHANGE OF MANAGEMENT OF NAUSEA AND VOMITING IN PREGNANCY AT THE 24-HOUR SURGERY

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How can early treatment improve the outcome of women presenting with Nausea and vomiting in pregnancy (NVP) or HG Hyperemesis Gravidarum (HG)?

Audit

Search: Maternity (MAT) codes; specifically, Nausea & Vomiting in Pregnancy (NVP) November 2020-February 2021 effective practice and need for improvement





Environmental scan

FOH (Front of House) – initial assessment

BOH (Back of House) – further assessment and treatment; monitoring < 2h

Obs Unit – monitoring > 2h

Operates 24/7

NVP patient journey at an urgent care facility

NOW: (FOH) Reception \rightarrow Triage RN \rightarrow Flow RN (+/- RAT) \rightarrow Clinician assessment \rightarrow treatment plan \rightarrow (BOH or Obs Unit RN) TREATMENT \rightarrow further observation \rightarrow Dx home or Hospital.

MY VISION: Reception \rightarrow Triage RN (NVP pathway) \rightarrow (BOH or Obs Unit RN) TREATMENT \rightarrow Clinician assessment \rightarrow further observation \rightarrow Dx home or Hospital.

Until treatment received: How many people? How much time?

Findings:

56% of total NVP breached their triage time target for assessment and treatment

44% of total NVP spent over 4h in the facility

RAT = 9% of the total NVP; 6% were up triaged due to deterioration

p.o. fluids = 37.5% - documented

IVF = 85%

Different antiemetics: Cyclizine 39.7%; Metoclopramide, Ondansetron 22.7%;

Rationale introduci nursing

Worldwide and in New Zealand

- Advanced early nursing interventions analgesia and NIXR
- The common effects: ↑ pt. safety and comfort +
 ↓ stays overall + ↑staff satisfaction

24 H Surgery

- Long wait times can go up to 4h

- Early interventions benefit certain patient groups, but only 6% of the NVP group.

Possible pathway limitatio ns

Risk of task orientated approach → RNs and Clinician discussions

RNs non-prescribers → step within pathway for RNs and Clinician discussions regarding antiemetic options

NVP descriptors

NV = 50-60% prevalence in pregnancy, high social impact

- Early onset 5-6 /40 = NV pregnancy induced
- Main cause is high levels of HCG
- Mild, moderate, severe
- Most severe form is HG=3% intractable vomiting, weight loss and electrolyte imbalance

Differentials:

-Onset after 12/40 and /or any associated symptoms e.g. headache, abdominal pain.

Red flags:

- \downarrow LOC; \downarrow or \uparrow BSL \uparrow BP (greater than 140/90 mmHg); \uparrow HR

Abnormal FM and/or FHR (normal range 110-150)

NVP / HG management

Treatment

- we follow CHP guidelines
- dehydration can worsen the NV, hence start with hydration
- mild oral hydration and p.o. antiemetics if needed
- moderate p.o. /i.v. hydration and p.o./i.v. antiemetics
- Severe, HG i.v.f. and i.v. antiemetics
- after i.v. therapy, trial oral rehydration

Women's education

- enquire women's knowledge on how to manage their NVP/HG
- give health info patient info sheet Health Info website NVP
- f/up phone calls

Determine NVP severity – pregnancy unique quantification of emesis (PUQE) -the motherisk 24h PUQE tool

Question 1: In the last 24h, how long have you felt nauseated or sick to your stomach?

Scores: 1 (not at all); 2 (1h or less); 3 (2-3h); 4 (4-6h); 5 (more than 6h)

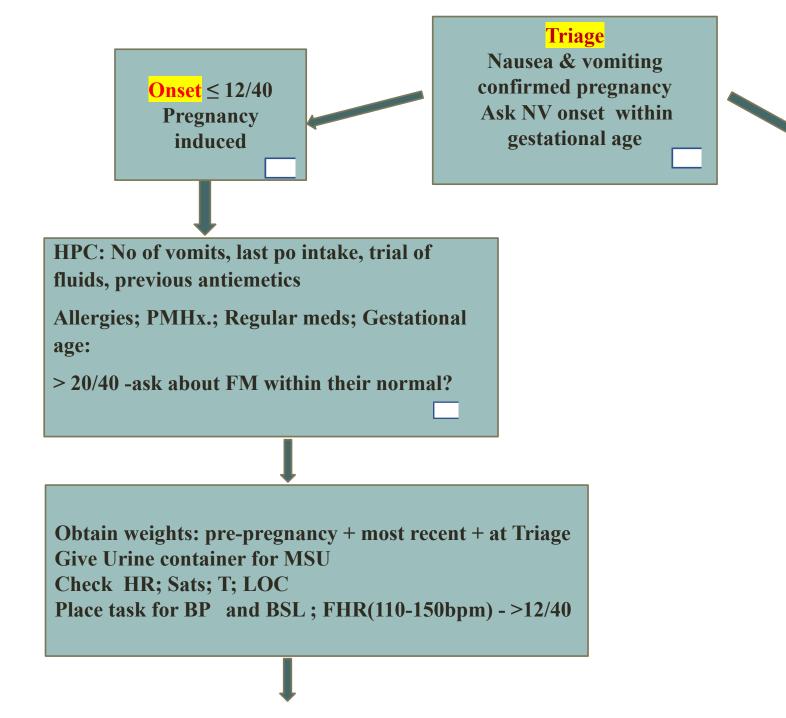
Question 2: In the last 24h, have you vomited or thrown up?

Scores: 1 (I did not throw up); 2 (1-2); 3 (3-4); 4 (5-6); 5 (7 or more times)

Question 3: In the last 24h, how many times have you had retching or dry heaves without throwing up?

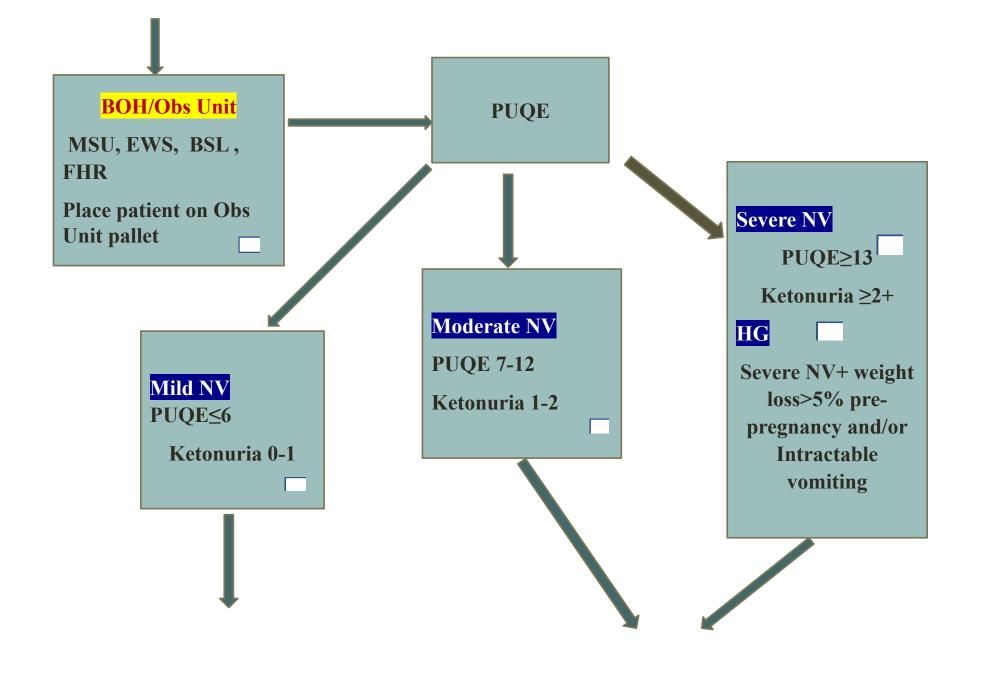
Scores: 1 (none); 2 (1-2). 3 (3-4); 4 (5-6); 5 (7 or more times)

Total score: mild \leq 6; moderate 7-12; severe \geq 13"



Onset > 12/40 and/or any associated symptoms consider other causes of NV

Exit pathway D/w Clinician



Mild

d/w Clinician re bloods, po antiemetics if previous taken already.

Trial p.o. fluids first, then I.V.F if po fail.

d/w Clinician re bloods, po/i.v. antiemetics

Moderate -Trial p.o. fluid where appropriate

Severe and HG - 1L N
Saline NSO

Monitor-EWS, evaluate progress

Patient education- Health Info sheet given

Check psychosocial support- PCW referral if needed

Aim for Dx home or Hospital within 4-5h of arrival



Thank you everyone for coming 😊

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