

Crisis At Home: The Role of the Family Caregiver in Acute Care Delivery Outside Hospital Walls

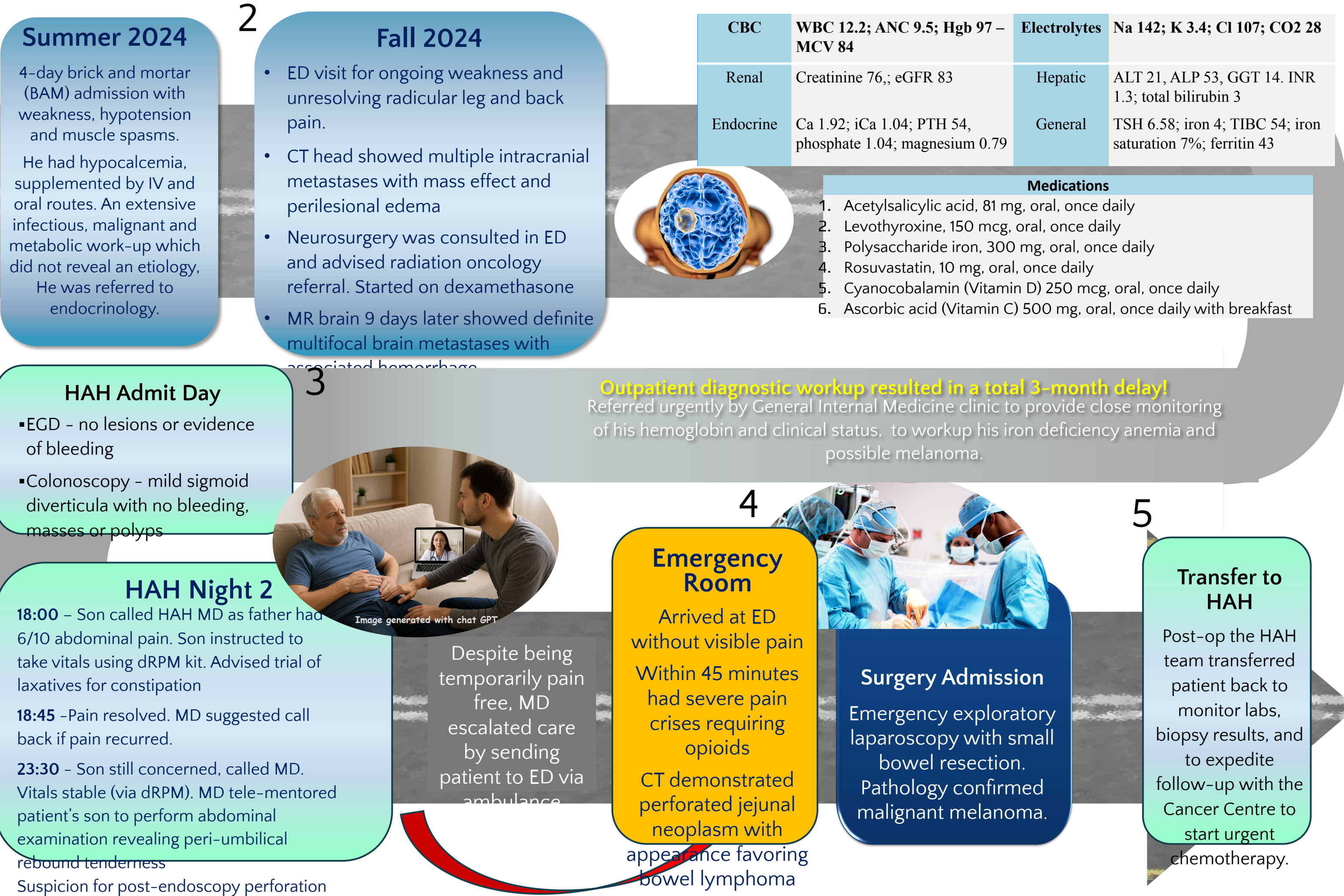
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Background
Hospital at Home (HaH) is a dynamic and patient-centered healthcare model, capable of integrating multiple patient care tools including personnel, technology and caregivers. HAH has the ability to adapt to patient complexity and acuity, aiding the assessment and response to potentially changing patient conditions. Here, we present an exemplary patient scenario where the HaH healthcare team supported the process of diagnosis and follow-up management of a patient suspected of having melanoma and acute complications related to metastases. Metastatic melanoma is the 5th most common malignancy worldwide,¹ and can affect people of any age, sex or ethnicity.² While melanoma most commonly metastasizes via the lymphatic system to skin, lung, brain, liver, bone and intestine,³ it has been found anywhere in the body in post-mortem evaluations. As such this requires a high index of suspicion when patients have vague symptoms in this clinical context.

Case Introduction
• Mr. A.B. Domen, 78-year-old male is a living at home with wife and supported by son. Past medical history of right shoulder melanoma in 2022 -wide local excision and sentinel node resection (2/2 nodes negative), obstructive sleep apnea (on CPAP,) coronary artery disease, iron deficiency anemia, and stable monoclonal gammopathy.



Case Discussion and Conclusions

1) **HAH is a dynamic, patient-centred care model able to handle a high level of complexity and acuity.**

2) **The patient and informal caregiver are a wealth of information and must be incorporated into the care team**

- Often family caregivers are more familiar with their loved ones' health and can detect subtle changes in clinical status that provide critical information to the clinical team.
- This is particularly important in HAH where most of the monitoring occurs by patients and their caregivers.

3) **Tele-mentoring can be a cornerstone in the diagnostic process**

- Mr. X's son's tele-mentored abdominal exam was the key factor in the physician's decision to escalate care and resulted in expedited diagnostics and life-saving, time-sensitive surgery.

4) **A high index of suspicion for complications of metastatic melanoma despite having vague or unclear symptoms is crucial.**

- Given the normal scope and no prior GI symptoms, it was logical for his providers to believe that his anemia was not attributable to metastases in the GI tract. However, the MD's assessment in the context of the recent scope and tele-mentored physical exam resulted in a high index of suspicion leading to expedited imaging and life-saving surgery.

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4. Kirkpatrick, A. W., McKee, J. L., Ball, C. G., Ma, I. W., & Melniker, L. A. (2023). Correction: Empowering the willing: The feasibility of Tele-mentored self-performed pleural ultrasound assessment for the surveillance of Lung Health. *The Ultrasound Journal*, 15(1). <https://doi.org/10.1186/s13089-023-00316-7>