A Patient-First Home-Based Immunotherapy Infusion Programme for Leukemia Patients

HAC63 (Clinical Safety and Quality Service III)

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Background

Blinatumomab

- ◆ A novel monoclonal antibody for the management of acute lymphoblastic leukemia (ALL)
- Superior to conventional chemotherapy in treating relapsed/refractory ALL, and efficacious in patients with measurable residual disease (MRD) or as consolidation treatment
- One cycle of blinatumomab entails 28 days of continuous intravenous infusion







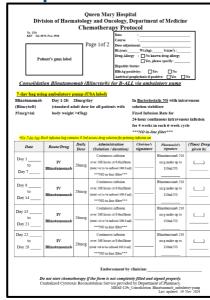
Objectives

- (1) To identify and source a suitable set-up for home-based infusion
- (2) To design a comprehensive programme comprising staff training and patient education; and
- (3) To prepare infusion protocols and engage suitable patients in home-based

infusion service









Methodology

12347



Market enquiry

Regimen? Preparation?

Train the trainers

Education materials; clinical practice guideline

Staff training; quality control of the infusion set







Result & Outcome

- 6 leukemia patients benefited from this programme
- ◆ 10 ← cycles of blinatumomab administered successfully
- ♦ In-hospital stay from 4 weeks/cycle to <1 week



Saving in





Education video





Pump set in a specially designed bag







Conclusion

- This home-based immunotherapy infusion programme is first-of-its-kind in Hospital Authority
- Holistic, multidisciplinary and patient-first approach
- Effective in optimising patient care and resource utilization
- Provides a prototypic standard of prolonged home-based infusion treatment

PROVIDE SMART CARE





Acknowledgement



- Prof. YL Kwong, Division Chief, Division of Haematology, Medical Oncology and HSCT, Department of Medicine, Queen Mary Hospital
- Nurses of the Haematology Team
- Department of Pharmacy, Queen Mary Hospital



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- Nurses of the Haematology Team
- Department of Pharmacy, Queen Mary Hospital
- Our patients and their carers



Thank you!

