

Role of Nurse in improving hemophilia care



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INTRODUCTION

- The nurse coordinator plays a dynamic role hemophilia, comprehensive and extended in the support of hemophilia.
- Since the establishment of the multidisciplinary treatment of hemophilia and hereditary bleeding disorders, the designation of a nurse charged to support treatment of hemophiliacs was one of the priorities of this team.
- ✓ To accomplish this task, it has received several national and international trainings:
 - ✓ One month training CRTH Strasbourg (France) in October 2008.
 - ✓ Practical training on the care of hemophiliacs in Algiers in February 2009.
 - ✓ Training on using national register of hemophiliacs in Algiers in April 2009.
 - ✓ Participation in conferences on Maghreb hemophilia in Oran in 2010.
 - ✓ Training in Good Clinical Practice in Tlemcen October 2011.
 - ✓ Participation in Maghrebian Congress of Hematology in Casablanca (Morocco) November 2011.
 - ✓ Training Algerian diploma nurses under the aegis of the National Association of Algerian hemophiliacs and the World Federation of Hemophilia in April 2012.

Objectives

- Providing quality in the hemophile treatment
- Strengthen the link between health care providers and hemophiliacs.

I-Function Communication - Information:

- Home patients.
- ✓ It often begins with a home phone:
 - Ability to manage stress and anxiety of parents or hemophilia.
 - attentive Listening.
 - Analyze the context.
 - Provide basic advice.
 - Assess the emergency and give a consultation appointment at Division of Hematology.
- Collaboration and information from other health professionals (IDE hospital services).



Results

- ✓ Organize follow-up visit and orthopedic consultation: the day before he planned to call patients to remind them of their appointments and preparing their cases.
- ✓ On the day of the consultation, the patient receives.
- ✓ when the consultation will be successfully done, and after receiving the results of laboratory tests and / or radiological, once consulted by a doctor they rank in patient records and summon them if necessary.

COMMENTS

- 116 hemophilic patients with complete files on 169 followed are recorded in the national register.
- The control and management of anti hemophilic factor is daily.
- Individual care is daily provided
- Training and support for self-treatment of patients is an ongoing process.

Nurses Functions

- The four nurse coordinator function keys' are :
 - I - information-communication function.
 - II - The administrative function.
 - III - The care function.
 - IV - The training function.

II-Administrative function:

- It is responsible for managing the trace file for each patient from the development of a specific treatment record, and completely ensures and keep up to date by capturing clinical and laboratory findings of consultations in the basis of given service and their statement in the National Register of hemophiliacs.
- It coordinates various meetings with stakeholders hospital following services:
 - Functional rehabilitation.
 - Oral Surgery.
 - orthopedic consultation
- It controls and manages inventory of antihemophilic factors:
 - (Factors VIII and IX plasma recombinant factors by-passing: FEIBA, NOVOSEVEN)



Results

- From January 2009 to December 2011:
 - ✓ 169 hemophiliacs are regularly followed in our department.
 - ✓ 116 patients whose records are complete on a set of 169 are reported and recorded in the national register of hemophiliacs.



III- care Function:

- During follow-up consultations:
 - It provides blood samples for the different assessments required.
 - Support the relay in the haemophilia center doctor emergency treatment (acute hemorrhagic stroke):
 - ✓ Preparation and injection of anti hemophilic factor.
 - ✓ adjuvant TRT.
 - ✓ immobilization with splint cryotherapy.
 - Participation in the prophylactic treatment 02 times a week.
 - Participation in the preparation of specific care (synoviorthesis; of oral care and surgical procedures), ensuring daily monitoring of patient outcomes in the various specialized services, and the traceability of drugs and derivatives blood to exit the patient:
 - Stick the batch number of products on the book hemophilia hemophilic.
 - Note the date, time if needed.
 - The cause or indication.
 - The number of units administered.
 - Ensure the immunization of patients against hepatitis B virus in collaboration with the department of Epidemiology.



results

- From January 2009 to December 2011:
 - ✓ The number of consultations for people with hemophilia is a hemorrhagic stroke in 2799.
 - ✓ 10 young hemophiliacs are in primary and secondary prophylaxis in the long run.
 - ✓ 02 hemophiliacs (young adults) are in secondary prophylaxis of fixed duration.
 - The amount of anti hemophilic factor is consumed:
 - Factor VIII: 2724500 UI.
 - Factor IX: 111200UI.
 - Factor VIII r (KOGENATE): 488000UI (primary prophylaxis).
 - Factor VIIr (Novoseven): 1378mg.
 - Recombinant prothrombin complex (FEIBA): 28000UI.
 - ✓ 15 Synoviorthesis practiced into the 13 to Hexatrione and 02 isotopic in coordination with the Department of Nuclear Medicine
 - ✓ 15 patients receiving regular dental care.
 - ✓ Number of surgeries performed in patients with hemophilia is 08 with 06 circumcision.
 - ✓ 36 patients were vaccinated against hepatitis B.



IV-training function:

- Participation in workshops therapeutic education:
 - ✓ evaluating the learning potential of the haemophilic patient and determining an appropriate educational program.
 - ✓ teaching self-injection of anti-hemophilic:

- Handwashing



-Preparation environment / products,



-Preparation the injection



- ✓ Regular practice of self-injection

results

- From January 2009 to December 2011.06 health education sessions were provided to the hematology department for the benefit of 35 patients and their parents for younger children.



conclusion

- nurse's role in charge of care for hemophiliacs is essential.
- It is a coordinating role between patients and different members of the multidisciplinary team of hemophiliacs treatment.
- It provides permanent support for patients in all circumstances.

