Cerebral palsy of the child and the corset sits in the center of Physical Rehabilitation « Vivre Debout » in the Physical and Rehabilitation Medicine service (PRM) of the University Hospital Center of Yopougon

Pr MANOU Koffi Benjamin
Qualified teacher in Physical and Rehabilitation Medicine

FATO on 2013, Yamoussoukro
* PCI or infantile Encephalopathy: definitive Lesion of the BRAIN in maturation.

* Period: Anté and Perinatal

* Clinically: motor disorder – Infringement of Posture + cognitive Disorder with ± Difficulty of apprenticeship

* PEC: multidisciplinary (Physiatric, Paediatrician, Surgeon, ORTHOPROTHESISTE, Social Workers)
INTRODUCTION

* Object: MOTOR Autonomy – Compensation of the infringement of Posture by the preparation of CORSETS-SEATS

: Improvement of the QUALITY OF LIFE
PLAN

- OBJECTIVES
- METHODOLOGY
- RESULTS AND COMMENTS
- CONCLUSION
OBJECTIVES

* Establish the epidemiological, clinical and therapeutic profile

* To identify needs in terms of corset sits of the child presenting the cerebral palsy receipts to the Rehabilitation Center
METHODOLOGY
1. Retrospective study with Descriptive aim

3. Eligibility criterium:
   1. Suffering children of a cerebral palsy or a motor infirmity of cerebral origin
   2. Age is included between 06 months and 15 years

4. 106 Files on 122 retained
5. Items:
   1. Social and Demographic data
   2. Clinical and therapeutic characteristics
RESULTS AND COMMENTS
**DEMOGRAPHIC DATA**

**Age**

<table>
<thead>
<tr>
<th>Age (month)</th>
<th>Frequency</th>
<th>percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 24</td>
<td>56</td>
<td>52.4</td>
</tr>
<tr>
<td>25 - 60</td>
<td>34</td>
<td>32.4</td>
</tr>
<tr>
<td>&gt; 60</td>
<td>16</td>
<td>15.2</td>
</tr>
<tr>
<td>Total</td>
<td>106</td>
<td>100</td>
</tr>
</tbody>
</table>

*infants born in terms +++ (0 in 24 months)*
SEX

Sex ratio = 1.12: man
Actors of discovery

Parents (Mothers): first actors to reveal the disease
**DEMOGRAPHIC DATA**

<table>
<thead>
<tr>
<th>Etiology</th>
<th>Frequency (N= 106)</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foetal Distress</td>
<td>55</td>
<td>51,7</td>
</tr>
<tr>
<td>Meningoencephalitis</td>
<td>24</td>
<td>22,3</td>
</tr>
<tr>
<td>Prematurity</td>
<td>9</td>
<td>8,2</td>
</tr>
<tr>
<td>Small birth weight</td>
<td>6</td>
<td>5,4</td>
</tr>
<tr>
<td>Erythroblastosis fetalis</td>
<td>5</td>
<td>4,8</td>
</tr>
<tr>
<td>Order</td>
<td>7</td>
<td>6,6</td>
</tr>
</tbody>
</table>

Foetal distress as etiologic factor +++ with us
Prematurity (S Marret, JF Ravaud)
Orthopaedic damage:

- Joint limitations: 62.2% upper limbs +++ (57.5%).
- Deficiencies of statics spinal (62%).
- 47.1% of club feet.
Disabilities

<table>
<thead>
<tr>
<th>Assessment of the activities</th>
<th>Frequency</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impossibility of Prehension</td>
<td>54</td>
<td>51</td>
</tr>
<tr>
<td>Impossibility to sit down</td>
<td>50</td>
<td>47,2</td>
</tr>
<tr>
<td>Impossibility to stand</td>
<td>70</td>
<td>66</td>
</tr>
<tr>
<td>Impossibility to walk</td>
<td>78</td>
<td>74,3</td>
</tr>
</tbody>
</table>

Most part of the children in disability of: (to sit, be up, walk)
Therapeutics

- Reeducation
- Equipment:
  - Prescription of corset sits: 49.05%
  - Corset sits fact: 4.7%
CLINICAL DATA AND THERAPEUTIC

Therapeutics

- Equipment (Bracing):
  - Corset sits fact: 4.7%
**CONCLUSION**

* The infantile cerebral palsy is far from being a commonplace problem in our context

* This study testifies of the frequency of this disorder functionally serious

* Heavily crippling for the patients
CONCLUSION

* Very alarming for the parents

* Delivered to them even due to the lack of adequate structures for an efficient treatment

* Especially for the preservation of the trunk by corsets sit
THANK YOU