

Web Quest on Cerebral Palsy

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Introduction

You have just been assigned to work at the USA-Children's and Women's Hospital for your next clinical rotation. You will be working in Occupational Therapy with families of children with cerebral palsy and covering both inpatient and outpatients. You must research and prepare for this clinical rotation. The class will divide into four groups, each completing one of the tasks below. You will report your findings back to the entire class in two weeks and provide handouts for all.

Task

Each group will play the role of an OT with a slightly different task for the hospital.

Group One- Medical Information-Diagnostic Summary

You will be the OT assigned to work with children with CP with spasticity. You will find out all the most recent information about medical treatments and follow up therapy interventions for these children. You must prepare an indepth diagnostic summary of this condition for your classmates.

Group Two- You will be the OT Liason to the Parent support group run by the hospital. You must find out about resources in the local and state community for parents. You will coordinate an informational newsletter for parents and monthly meetings. You must produce this months newsletter.

Group Three- You will be the OT working closely with the MD providing spasticity reduction interventions for children with CP. You must research the more common methods of reducing spasticity, indications for their use, and the role of therapy for interventions. Provide a chart for your classmates highlighting these different techniques, indications, contraindications, and follow up therapy interventions.

Group Four- You will be the OT with a focus on promoting independent living skills for children. Research the intervention techniques used for treatment and the assistive devices that OT's may prescribe for use. Prepare a

Cerebral Palsy Resources

Medical Information

Facts/ Medical Information

<http://www.geocities.com/Athens/Thebes/6822/>

Wonderful list of resources and links about CP

http://murmur.arch.gatech.edu/crt/Techknow/MedConditions/Cerebral_Palsy.htm#Top

Good site with many choices for information

<http://www.cpconnection.com/>

Good medical site with info and pictures, some therapy info

<http://hsc.virginia.edu/medicine/clinical/pediatrics/CMC/tutorials/cp/type/type.html>

Facts and information

<http://www.med.virginia.edu/cmc/tutorials/cp/cp.htm>

Links to seven medical libraries in Alabama

<http://www.uab.edu/lister/alhela/alalib.htm>

Parent Support Groups

Support Groups for parents

<http://www.webofcare.com/cerebralpalsy.html>

Australian support groups for parents

<http://members.iinet.net.au/~scarffam/cpa.html>

Parents helping parents

<http://php.com>

CP Caregivers Community

<http://www.webofcare.com/cerebralpalsy.html>

Specific types- info

Hemiplegic Cerebral Palsy- website written by parents for parents

<http://www.hemikids.org>

Cerebral Palsy and deafness

<http://deafness.about.com/library/weekly/aa082399.htm>

Cerebral Palsy and vision loss

<http://deafness.about.com/health/deafness/gi/dynamic/offsite.htm?site=http://www.deafblind.com/cerebral.html>

Websites written by families/patients

The Craig Family- CP Support groups

<http://www.cyberscapbook.com/page3.html>

Susie's website

<http://www.susiecp.com/home.html>

Resources for children

Kidpower

<http://www.geocities.com/Heartland?Village?9012/index>

Local state resources

Mississippi- American Cerebral Palsy

<http://cerebralpalsy.org/staMS.html>

Texas United Cerebral Palsy Association

<http://www.ucpdallas.org/children.htm>

Alabama State Agencies

<http://www.nichcy.org/stateshe/al.htm>

United Cerebral Palsy Association- links to each state

<http://www.ucpa.org/>

STAR- State Technology and Assistive Resources- Alabama

<http://www.rehab.state.al.us/star/>

Alabama Department of Rehabilitation Services

<http://www.rehab.state.al.us/>

Alabama Disabilities Advocacy Program- Database of Resources

<http://www.adap.net/database.html>

Alabama Institute for the Blind and Deaf

<http://www.aidb.state.al.us/aidb/>

Alabama Medicaid

<http://www.medicaid.state.al.us/>

Assistive Devices

The Tech Knowledge Developmental Disability Resource for Georgia

This site links you to coordination and manipulation devices, very good overview of potential assistive devices

<http://murmur.arch.gatech.edu/crt/Techknow/MedCondition>

Spasticity Management

Wellness Site- Hyperbaric Oxygen therapy (HBO)

This site discusses the use of HBO to treat spasticity in CP, references to ongoing research

<http://www.wellweb.com/index/QCEREBRA.htm>

Spasticity Management Site by Miller-Dawn

This site contains information about botox, baclofen, and rhizotomy

Go to home page, choose CP , choose “how to manage this condition

<http://www.miller-dwan.com/content/ind.cerebralpal.html>

The Information Exchange by Dr. Frederickson

Excellent clinical information on botox , baclofen, and zanaflex

<http://askdrmark.com>

Cerebral Institute of Discovery

Nonsurgical interventions for treatment of CP

<http://www.cerebral.org/cptreat.html>

Rainbow Babies and Children’s Hospital

Description of CP, definition, treatment, and evaluation

<http://www.uhrainbow.com/Neuro/Cerebral.htm>

Botox – new treatment in Management of Childhood Spasticity

Very interesting site with good explanations- quiz on botox

<http://www.chsys.org/cme/nursing/botox/botox.htm>

Diazepam Information

<http://www.mentalhealth.com/drug/p30-v01.html>

Mayatek Site for Cerebral Palsy

This website lists research articles about the use of electric stimulation for spasticity reduction

<http://www.mayatek.com/publications/CP/cptitlepg.html>

Process:

Each member of the team is responsible for collecting data on the subtopic. Besides the websites listed above, students are expected to review peer reviewed journal articles and relevant text books. Think about all the resources available to you in the OT Department and in the USA Library System.

You are to gather information and create the following:

- 1) An in depth diagnostic summary about cerebral palsy that includes factual findings about the condition and the types of CP
- 2) FAQ's by parents and answers-Identify common parental questions/concerns, determine appropriate answers relevant to resources here in Mobile, describe the role of OT to identify these needs. Produce this month's newsletter with resources and FAQs for parents.
- 3) Compare/ contrast spasticity management strategies to include botox injections, baclofen, dorsal rhizotomy, and oral medications and the role of therapy in each of these procedures
- 4) Describe the role of occupational therapy with children with cerebral palsy for promoting independence in self-care skills. Provide handouts about the intervention procedures often used in OT and types of adaptive equipment that may be indicated. Many are available here in the OT Department for closer examination.

You may need to share your findings with other team members and across teams to be sure there is little redundancy in the information. Be sure to discuss your findings as groups and make your final products be a synthesis of your findings.

Prepare visual aids, charts, diagnostic summaries, and newsletters to clarify your findings for your classmates. Each group must provide a 20 minute presentation of their findings to their classmates. The presentation should be professional, well rehearsed, and accurate in information.

Evaluation

Points will be earned based on each groups efforts and final products. The final products will include both the written products and the final presentation. Points in the grading rubric will be as follows:

1. Accuracy and depth of informational resources obtained
2. Ability to synthesis information into professional written documents
3. Quality of finished written product- informative, accurate, succinct, appearance, grammar, spelling, neatness
4. Organization of information into a presentation format that flows well and reinforces key points of information to audience
5. Quality of presentation in terms of visual aids, audience involvement, professional presentation qualities, and ability to heard and understood by the audience
6. Individual contribution to the group as evaluated by other team members

Conclusion

You were able to use the small group process to locate relevant information and learn about OT with children with cerebral palsy. In real world situations, the OT's are expected to have all the knowledge and assume all these roles. Knowing these resources are available should help you stay current in your knowledge and abilities even after graduation.