

	Expected Challenges
	Medical crisis
	• Side effects
	• Quality of life
	<ul> <li>Impairments (communication, behavior, physical function)</li> </ul>
	Lengthy rehabilitation (during and post
	treatment)
MAYO CHD	
V	
	Late Effects and Risk Factors
	Medical compromise
	<ul> <li>Psychosocial Challenges</li> <li>Where one sees themselves (academics, employment and social)</li> </ul>
	Behavioral challenges
	Anxiety     Depression
	Educational     Rest traums stress

Video	
https://videoexchange.mayo.edu/media/Moving	
+Forward+After+Your+Child%27s+Cancer+Tre	
atment/1_svdciks7	

Risky behaviorSocial WithdrawalUnemployment







### Social Work Role

- Multidisciplinary approach to care
- Ongoing clinical assessment for mood dysregulation
- Caregiver assessment and support
- Resource acquisition
- Vocational and educational planning
- Substance use assessment
- Trauma assessment



# Potential Changes During and After Medical Treatment

- Confusion
- Memory challenges
- Attention and concentration/compromised executive function
- Difficulty with decision making/problem solving
- De-motivational Syndrome
- Inappropriate emotional response
- Psychiatric disorders
- Changes in Personality and Impaired Social Interactions
- Impaired coping mechanisms
- Altered self-concept
- Impact of brain injury on family dynamics



### Confusion

- How to complete tasks
- Mixes past and present events



### **Memory Challenges**

- Difficulty with recall of tasks, directions, people and day to day activities
- Processing new information
- Compromise in recall of new information and new surroundings
- Adapting to the usefulness of learning aids (calendar, notes)
- Completion of tasks



### **Attention and Concentration**

- Somnolence
- Short attention span
- Distraction
- Processing new information
- Lowered sensory tolerance (light, noise, smell, movement)



# Difficulty with Decision Making/Problem Solving

- Impulsivity
- Compromised reasoning
- Anxiety
- Inability to recognize a problem



Demotivational Syndrome	
rest in previous activities y with initiation of a task follow through with planned tasks	

### Inappropriate Emotional Responses

Emotional lability

ApathyDisinterDifficultLack of

- Decreased affect (flat)
- Increased affect (euphoria)

### **Psychiatric Disorders**

- Psychiatric Disorders
- Mood disorders
- Anxiety
- Premorbid mental illness, alcohol and drug use can greatly impact the recovery process and severity of the psychosocial sequelae







### Changes in Personality and Impaired Social Interactions

- Acts or speaks impulsively (poor judgment, inappropriate comments, preservation)
- Impaired self-awareness
  - Unaware of limitations
     Inaccurate self-image
     Self-perception
- Difficulty in social settings

  - Difficulty engaging in past relationships Difficulty developing new relationships
- Communication



### **Impaired Coping Mechanisms**

- Difficulty managing emotions (particularly in the later stages of recovery)

  - AngerSadness
- Grief of loss of personality
- Grief of personal and social relationships
- Inability to engage as prior
- Loss of occupation or previously enjoyed activities
- Ineffective coping strategies prior to injury may contribute to even more impairments and may lack the ability to learn new strategies to cope with additional stressors.



### **Altered Self-Concept**

- Altered body image
- Position in family
- Peer relations and community
- Long term memory will often return before the short
- Potential identity crisis may establish if a person is unable to rebuild a post-injury self-concept
- Compromised sense of self



## Impact of Brain Injury on Family Dynamics

- Resentment
- Guilt
- Increased care-giving role for parents
- Financial





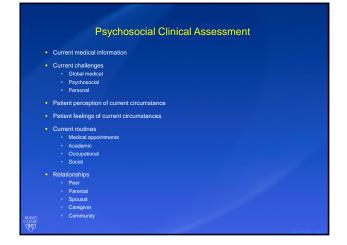


# Social Work Role Psychosocial assessment Ongoing re-assessment • Ongoing collaboration with multidisciplinary team • Utilization of clinical treatment interventions Resource acquisition Rehabilitation support

## **Psychosocial Impact of Survivors** • Fatigue • Depression Anxiety Isolation Behavioral Decreased self-esteem

Grief

Post Trauma stress



Psychosocial Clinical Assessment Cont.	
Risk Taking Behavior	
Alcohol or drug use	
Sexual	
Emotional Status	-
Sexuality and Fertility	
• Insurance	
Neuropsychological Results     Amnesias	
Intellectual ability deficits	
<ul> <li>Dysphagia</li> <li>Memory concentration and Information process</li> </ul>	
• Memory concentration and information process	
MINOR CITY CONTROL CON	
CONTEMPER   MacAd	
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Payabassaid Clinical Assessment Cont	
Psychosocial Clinical Assessment Cont.	
Memory	
Support Resources	
Caregiver Support	
Mental Health	
Academics	-
<ul> <li>Vocation</li> </ul>	
• Coping	
Drug and Alcohol Use	
Previous and Current Goals	
Mario Clinic (P)	
CONTENT AND S	
	1
Clinical Treatment Interventions	-
Similar Treatment Interventions	
• CBT	
Behavioral Modification	
Group Therapy	
Parent Psychoeducation and Support	
Exposure Therapy	
Cognitive Remediation Therapy (Self talk, Learning Theory)	
oognitive Nomediation Metapy (Self talk, Leanning Meory)	

• Resilience and Rehabilitation Therapy (Strengths based theory)

• Family and Caregiver psychoeducation

Considerations During Thereny		
Considerations During Therapy		
Cognitive deficit vs. pseudo-depression		
• Denial		
Practice from the perspective of patience		
Engage the patient and family as active participants		
Encourage normal routines		
Choodrage Horrian Toutines		
MANN.		
Methods to Enhance Individual Counseling		
Keep distractions to a minimum		
Model calm and controlled behavior		
Do not over stimulate the patient		
Patient may be more attentive at different times of the day		
Pair new learning tasks with old ones		
<ul> <li>Utilize rehearsing</li> <li>Make interpretations explicit to avoid misunderstanding</li> </ul>		
Modify open ended statements to avoid confusion		
Redirect patient's attention when agitated rather than confronting the topic		
Start with easy task, use verbal praise and reinforce task completion		
Give the patient extra time to respond		
* Use reflection and re-statement for clarification		
V continues i sees		
https://www.youtube.com/watch?v=ijNeN6LqF4w&feature=youtu.be		
, January Translation y Status		

# Palliative Care • Pain Management • Hospice Support • Bereavement Counseling









### **Multidisciplinary Collaboration**

- Variety of health professionals
- Exchange of information
- Benefits of tumor boards
- Transition readiness for the patient

  - Knowledge of diagnosis and treatment
     Knowledge of potential late effects and surveillance recommendations
     Identification of primary health care setting and providers.
     Ability to make and loop appointments

  - Ability to make and keep appointments, follow health care recommendations.



Barriers to Successful Multidisciplinary Clinics	
Time constraints	
• Resources	
Time pressures	
Low attendance by members	
Lack of leadership	
• Financial	

### WX

### Resource Acquisition and Collaboration

- Collaboration with community support
- Social skills trainers
- Brain waivered services through local counties
- Brain Injury Association of America (BIA)
- Vocational Rehabilitation

Excessive caseloadLack of institutional support

- Education Rehabilitation
- Support Groups

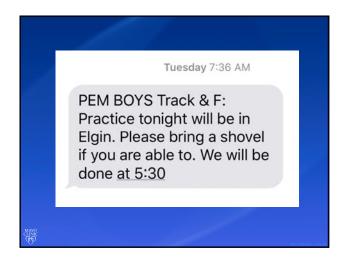


### Rehabilitation

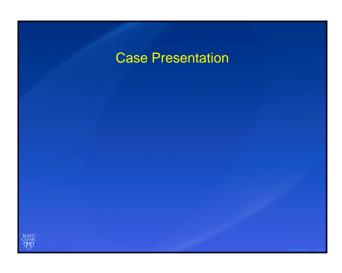
- Inpatient Acute Rehabilitation
- Outpatient Rehabilitation
- Day Treatment
- Community Re-Entry
- Independent Living



Caregivers	
<ul> <li>Parents of Children surviving a brain tumor have been reported to be a greater risk for both</li> </ul>	-
post trauma stress disorder and general	
distress. (Carpenteri)	-
Surrogocy	
Suil Sgooy	
MAYO	
GANGE CONTRACTOR OF THE PROPERTY OF THE PROPER	
	•
Caregiver Assessment	
Caregiver Assessment	
<ul> <li>Recognize each parent may have a different response to</li> </ul>	
information and support and may require individual time.	
<ul> <li>Identify how the family roles may have a shifted with adjustments necessary to fulfill family obligations.</li> </ul>	
Personal loss and grief (	
Identify resources and respite options (community)	
<ul> <li>Provide psychoeducation in reference to emotional support and ways to manage their own behavior with the patient.</li> </ul>	
Encourage family involvement for the patient as the	
outcomes are typically more positive.	
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	•
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### First Year

### Diagnosis and Treatment

- Diagnosed at age 18 (3/2015) with a CNS germ cell tumor, pineal region
  - Chemotherapy
  - Radiation therapy
  - Inpatient rehabilitation
  - Outpatient Brain Rehabilitation Program (9/2015)
  - Therapy concluded in 10/2015 and patient returned home.
  - Vocation supports assessed and patient referred



### First Year Cont.

### Medical Complications

- Tumor resection required
- Hydrocephalus with shunt placement
- Parinaud Syndrome
- Diplopia (prism of R eye)
- Post-operative kinetic mutism
- Fatigue
- Poor appetite
- Weight loss (25-30 lbs)
- Cognitive deficits
- Sleep disturbance (sleep too much)



### First Year Cont.

### Psychosocial

- Appropriate crisis response to diagnosis and treatment
- Grief
  - Loss of independence
  - Relationships
  - Education
- Episodic sadness; depressed mood, provisional
- Positive progress with therapies



# First Year Cont. • Psychosocial Continued: • Improved sense of memory and self-concept • Parental support • Resource acquisition • Financial supports • Vocational resources • Brain rehabilitation • Wishes and More

### 1 Year Later (2/2016)

- Medical
  - Germ cell tumor, stable
  - Hydrocephalus, treated with shunt placement
  - Parinaud syndrome and diplopia
  - Fatigue
  - Weight loss
  - Cognitive concerns



### 1 Year Later (2/2016)

- Psychosocial
  - Lives with parents who remain as his primary caregivers.
  - Depression PHQ 9=9 and Anxiety GAD 7=5.
     Antidepressant started in January of 2016
  - Passive suicidal ideation
  - Loss of independence
    - Living with parents
    - Memory challenges limits autonomy
    - Reliant on parents for answering questions and decision making



### 1 Year Later (2/2016)

- Psychosocial Continued:
  - Disconnected social situations
    - friends entered college in the fall
    - Girlfriend breaks up with him
    - Social expression is challenged (sarcasm, he doesn't see it)
  - Fatigue
  - Blunted affect and facial expression
  - Attends a few psychology sessions but doesn't feel this helps

Has usually relied on avoidant strategies for coping

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### 1 Year Later (2/2016)

- Psychosocial Continued:
  - Feels burdensome to his parents
  - No drug use
  - Some use of alcohol
  - Neuropsychological deficits
    - Verbal memory impairment
    - Slowed processing speed
    - Blunted affective facial expression
    - History of akinetic mutism, improving

MAX:

### 1 Year Later (2/2016)

- Psychosocial Continued:
  - Excellent parental support
  - Vocational Rehabilitation supports are in place
  - Parent stress
    - Struggle with observing the changes
    - Memory
    - Emotions
    - Lack of initiation/motivation
    - Blunted social expression
      - Hugely sarcastic

## 1 Year Later (2/2016)

- Psychosocial Continued:
  - Parents express concern for "needing more" rehabilitation
    - Limited local support for rehabilitation

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### 3 Years Later (5/2017)

- Medical
  - Germ cell tumor, stable
  - Akinetic mutism, improving
  - Verbal memory impairment
  - Seizure activity (spring 2017)
  - Slowed processing speed
  - Blunted affect and facial expression

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### 3 Years Later (5/2017)

- Psychosocial
  - Cognitive concerns remain
  - Attends college
    - Academic supports in place
    - Parents crucial in academic success
  - Remains connected to Vocational supports, locally
  - Initiation and motivation remain challenges
  - Depressed mood (non- suicidal)
    - "I will never get better"
- No drug use
  - Some alcohol use

### 3 Years Later (5/2017)

### Psychosocial Continued:

- Independece
  - Wishes to do more than what is capable
    - Attend an internship away from home
- Parent stress
  - Frustrated by slow recovery
  - Wish for alternative rehabilitation options
- Social settings remain challenged
- Fatigue
- Blunted affect and expression

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### 4 Years Later (8/2018)

### Medical

- Germ cell tumor, stable
- Akinetic mutism history, resolved
- Parinaud syndrome and diplopia, improved s/p strabismus surgery
- Cognitive concerns
- Seizure activity, asymptomatic on Vimpat (last seizure May 2017)

### 4 Years Later (8/2018)

### Psychosocial

- Successful outpatient rehabilitation out of state (summer of 2017)
- Vocational supports remain, locally
- Independence
  - Interned away from home (8/2017)
  - Driving
  - Moving to college (4 hours away from home)
- Motivation and initiation improved
  - Using alarms and lists



### 4 Years Later (8/2018)

- Psychosocial Continued:
  - Mild depressive symptoms
  - Physically strong
  - Strength in faith
  - Relationships
    - Improved relationships with parents (less sarcastic)
    - Developing new relationships
    - Difficulty with social engagements, improved
  - Visibly more relaxed and engaged



### 4 Years Later (8/2018)

- Psychosocial Continued:
  - Parents
  - Calm
    - Relief
    - Remain concerned as they move towards independence



### **Case Consultation**

### Medical:

- 2 Year old boy with a medulloblastoma.
- Received chemotherapy, radiation and 3 autologous transplants.
- Child remained in the hospital for most of his treatment due to psychosocial factors.
- When he was outpatient prior to returning home (4 weeks), SW saw him 3 times per week.



### Case Consultation Cont.

- Psychosocial:

   Married parents who are 19 years of age.
- Father remained home to work while mother managed the patient's
- Noncompliance, although mother seemed fine in the hospital she would not bring him in or call with problems.
  Mother's mental health, untreated.

  Mother's mental health, untreated.
- Mother's unreliability in the hospital as being present.
   Grandparents would come at times.

- Father would come on some weekends.
  Mother has various friends who would come to the hospital or clinic. These friends would be friends she just met.

- Mother was typically pleasant.
  She would become quickly frustrated with patient and had a totalitarian approach to discipline.
- He is fully tube fed and very few structured meal times to encourage
- normal feeding routines.

  Mother overwhelmed when he went outpatient and was with her at the RMH.



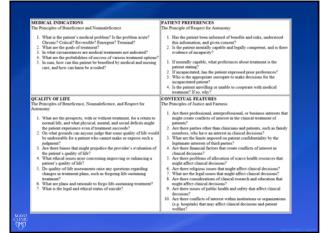


	Case Consultation Cont.
P	lan:
1	Patient has finished treatment and he is due to return home.
2	
3	
4	
MAYO CLINIC	Strated Leaf

### **Ethics Basic Principals**

### <u>Terms</u>

- Autonomy: Requires the patient have autonomy of thought, intentions, and action when making decisions regarding health care.
- Justice: Requires that procedures uphold the spirit of existing laws and are fair to all players involved.
- Beneficence: Requires that the procedures be provided with the intent of doing good for the patient.
- Non-maleficence: Requires that a procedure does not harm the patient involved or others in society.
- Assent: Assent is not consent and minors are not allowed to give consent.
   Assent is viewed as focusing on capacity, a developmental term. This is about respecting a child's developing capacity and assisting them in understanding their condition.
- Consent: Informed consent is a process grounded in the notion of respect for persons. The capacity to consent requires the legal ability to enter into a valid contract and the psychological or developmental ability to make a sound decision.



	Medical Indications:	Client Preferences:
	related is at 1 year of a with a DIFF, his not responded to payed homeopherapy interviences or radiation. Supplying management is difficult. Worsening symptoms with blindness, schururs, fittiges, headachies, with respect to the supplying the state of the supplying the state of the supplying the	Patient is mentally stable and sufficiently mature to understand the issues related to her treatment and to participate in decision making. Her experience with hier disease and past treatment has also resulted in a level of measure and the sufficient participate of the proposed treatment, including risks and expected benefits. She consistently wishes to allow natural death.
	Quality of Life:  Experiments treatment would lawly cause sover side effects that experiments treatment would lawly cause sover side effects that experiments treatment with cause of this index, would be performed diverspential and potentially harmful and there was a growing concern that the patient would feel isolated and distressed during the process.	Contextual Features:  The patient sate/finely mount to individual the issue raised the patient sate/finely mount to individual the issue raised the her inclinate and its patients in idention making her between experience with the release and past treatment options has resulted in a level of instantity that exceeds her age. The patient understands the survive or the proposed treatment. So has visited in the patient of the proposed treatment. So has visited in the patient of the patient. So has visited in the patient of the patient of the patient in the patient so has visited in the patient in the patient of the patient so has been appeared to the patient patient. So has visited in the patient in the patient patient in the patient patient in the patient patient in the patient pa
Recommendations:  Stautions like this does not lend themselves to easy rolations. The challenge respectful of the facility and parents' need which are in conflict with one and methor can freely with about their closurs and reasons which will lead to a so the service of the conflict with one and methor can freely with about their closurs and reasons which will lead to a so the which the self-gain does not not sensity to the self-this closurion.  MAYOR THE SERVICE OF T		ne another. The best option is to provide space where the patient and to a solution that is acceptable to both. The patient needs her mother

# Conclusions Social work support and role on the multidisciplinary team is crucial in the care of children with neurological complexities, limitations and QOL challenges. Ongoing assessments and interventions by social work adds value to the multidisciplinary approach. Ongoing collaboration enhances the social work mental health assessment and treatment plan. Social work interventions improve and empower survivors to take charge of their own health, promote a healthy lifestyle, provide education about late effects and minimize risks.

# Future Direction • Focusing on specific diseases and the limitations associated with those diseases may be helpful to be proactive in developing a specific care plan to support the vulnerabilities of these patients. • Studying the different methods of improving QOL in pediatric brain tumor patients by continued use of psychosocial support and therapeutic interventions to find the most effective approach. • Long term follow up clinics will encourage emotional and social functioning assessments for community based needs.

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