BRAIN CANCER is #1
Disease killer of our Nation’s Children

- Medulloblastoma is the most prevalent brain cancer in children
- Medulloblastoma often spreads to other parts of a child’s nervous system
- Cause of medulloblastoma is unknown
- A child is considered a ‘survivor’ when they live 5 years past cancer treatment
- Average age of a child diagnosed with cancer is 8
- 13 years old is hardly surviving ...

“For pediatric brain tumors in particular, we have not made significant headway at all. We have learned over the past decade, childhood tumors are significantly different from adult tumors. There’s survival, and then there’s survival at a price.”

- Katherine Warren, Head Pediatric Neuro-Oncology – National Cancer Institute

* Information from this presentation is from American Society of Clinical Oncology (ASCO)
Medulloblastoma Treatment | Surgery, Radiation, Chemotherapy
Frontline Chemotherapies were Derived from Mustard Gas and are Decades Old

**Cisplatin**
Chemically related to nitrogen mustards (Mustard Gas)
First isolated in 1845
Approved by FDA 1978

**Cyclophosphamide**
Chemically related to nitrogen mustards (Mustard Gas)
Investigational drug in 1960’s
FDA approved 1976

**Vincristine**
First isolated in 1961
Approved by FDA in 1963
Medulloblastoma Survivors
(frequently) Suffer Severe & Permanent Side Effects

- Overall cognitive impairment
- Significantly decreased IQ
- Attention deficient/memory loss
- Special Education services, limited ability to read/comprehend/perform basic math/tell time
- Hormone deficiencies, pituitary gland injury, thyroid gland injury, lifetime hormone replacement
- Short stature, scoliosis
- Hearing loss
- Secondary cancers, secondary brain tumors
- Early lung/kidney/heart disease
- Strokes
- Sterilization
- Inability to swallow, Inability to balance/run/walk

Medulloblastoma Treatment is Exceedingly Harsh on Children’s Brains and Growing Bodies.

#CureMEdullo powered by Carson Leslie Foundation
Carson’s last whispered words. Our inspiration.
‘Make sure they study those tumors in my brain. If those tumors can help some kid some day not die from cancer like I am, I’d like that. It’s hard to have cancer.’

Carson, 2 month before diagnosed with cancer.

The wicked scar of medulloblastoma.

Childhood brain cancer is the deadliest disease of our nation’s children. It is a giant problem that requires Federal, State, Public, Private and Corporate sectors.

#CureMEdullo powered by Carson Leslie Foundation
“Annette, Your advocacy on behalf of pediatric cancer patients is making a difference.

By bringing advocates, researchers and policy makers together you are playing a leading role in the fight to one day eradicate pediatric cancer as a threat to children. We look forward to continuing work with you to support pediatric cancer research, greater access to treatments, and high quality care for patients and survivors.” - Congressman Michael McCaul
CARSON ROBERT LESLIE
July 6, 1992 - January 12, 2010

“I can either go around mad and sad, or go around living with the strength and courage that comes from God and from the people he puts around me.” - Carson Leslie

Carson was diagnosed with medulloblastoma, a brain tumor at the age of 14 in 2006. He shared his fight against cancer in his book, Carry Me, which Carson hoped would offer encouragement and strength to other young cancer patients. He asked his family to make sure that researchers study the tumors in his brain, “because if those tumors can help some kid not die from cancer like I am, I’d like that, it’s hard to have cancer.” The Carson Leslie Foundation was established in his memory.

IN NAMING THIS ROOM FOR CARSON, CPRIT HONORS ALL TEXANS AND THEIR FAMILIES AND FRIENDS WHO HAVE BEEN AFFECTED BY CANCER.
Precision Medicine & Immune Oncology Therapy
Are some of the new therapies that are changing the landscape of cancer treatment. These therapies have not been introduced into childhood brain cancer.

Stingray Therapeutics is introducing Immune Oncology Therapy into childhood brain cancer; Starting with medulloblastoma.

‘There can be no keener revelation of a society’s soul than the way in which it treats its children.’
– Nelson Mandela
Stingray Co-Founder Jon Northrup will explain how our immune system has two major fighting arms, **Innate** & **Adaptive** Immunity, constantly working together to assault and destroy invaders of our bodies; such as viruses, bacteria *and cancer*.

**Innate Immunity**

Is the surveillance fighting arm inside of our bodies constantly identifying foreign invaders like viruses, bacteria *and cancer*.

**Adaptive Immunity**

Is the assaulting and destroying fighting arm inside of our bodies that takes out foreign invaders that Innate identifies.

Problem is, some foreign invaders hide so well Innate doesn’t ever see the invader therefore Adaptive doesn’t assault and destroy. **Medulloblastoma is a foreign invader that hides well**...

Stingray Therapeutics believe they have answers how Innate can identify hiding medulloblastomas so Adaptive can assault and destroy.
Stingray Therapeutics co-founder, Jon Northrup will now explain why
Mr. Walter Capone, Director of #cureMEdullo Strategic Plan, CLF’s Chief Scientific Advisor states:

“I am especially motivated as I returned from the largest annual global scientific conference on immune system-focused therapies in cancer, the Society for Immunotherapy of Cancer conference, in Washington, DC.

During this conference, the timeliness and uniqueness of the opportunity involving Stingray’s novel, immune-therapy became readily apparent.

The strength and uniqueness of the program, its accelerated path based on medulloblastoma, the successful track record of Stingray’s researchers and their established position in the CPRIT framework, we believe this program is vastly differentiated from more typical biotech investments.” - Walter Capone
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