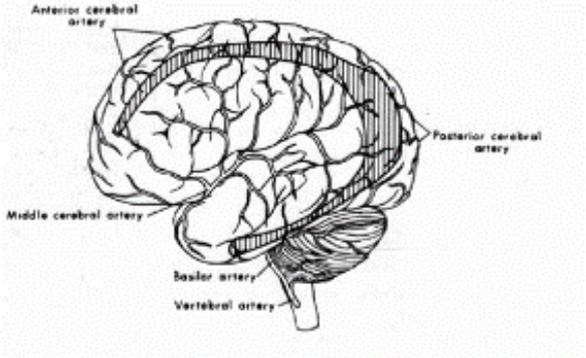


Fair Bellah, and the puzzle of the missing daisies by Annaleen Coetser

Card text	Visual Notes
<p>Card 1</p> <p>Introduction:</p> <p>Fair Bellah represents all our brave parents, the neonatal intensive care unit (NICU) staff and our kind sponsors.</p>	
<p>Card 2</p> <p>This is a story about changes in the brain's watershed area, between the three major cerebral arteries, after Hypoxic Ischaemic Encephalopathy (HIE).</p>	
<p>Card 3</p> <p>Once upon a time, in a far, far valley Lived Stormy Chief and Fair Bellah.</p>	

Card 4

Fair Bellah loved daisies very much.

She even got daisy earrings for her birthday.

The earrings were carved from of the
by an artist from her valley.



Card 5

The valley, between three large rivers was Fair Bellah's favourite spot.

She will sit on the large mountain and look down on the many daisies in the valley.

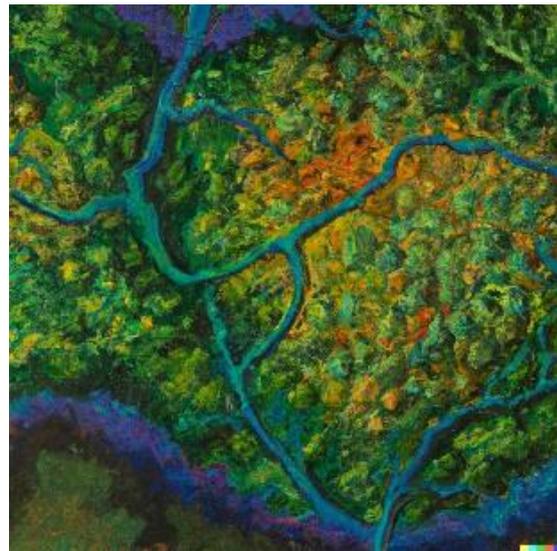


Card 6

But one day, Fair Bellah saw something that made her very sad.

There are no daisies in her beautiful valley.

She looked, and looked, between the three big rivers. She cannot see any daisies.



Card 7

Stormy Chief called on his cleverest elder in the land, the Dapper Peppah.

Dapper Peppah crossed a desert and two mountains, with his lioness, to the valley.



Card 8

“Why are there no daisies in the valley, Dapper Peppah?” Stormy Chief asked.

Dapper Peppah thought and thought, he had no answer for Stormy Chief.



brewing in the valley Storm

Card 9

Dapper Peppah saw Fair Bellah cry.

Her tears filled all the vases in the village.

Fair Bellah’s tears made Dapper Peppah sad.

Different sizes African vases full of tears

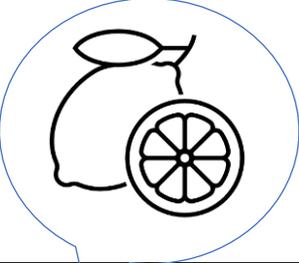
Card 10

Dapper Peppah went to Wise Melantha.

Rainbows of wisdom comes out of Wise Melantah’s mouth when she speaks.



<p>Card 11 Dapper Peppa also called on Taso.</p> <p>Taso's great, great, great grandpa Anastasios was from an ancient country that spoke Greek and Latin.</p>	<p>ANASTASIOS I ΠΑΠΠΟΥΛΙ ΠΑΠΠΟΥΛΙ TASO</p>
<p>Card 12 Taso learned big words from the ancient Greek and Latin languages, from his grandpa that he calls Pappouli, who learned it from his Pappouli, who learned it from his Pappouli.</p>	<p>GREEK LATIN</p>
<p>Card 13 "I want us to study the daisies", said Dapper Peppah to Melantah and Taso. "I want to solve the puzzle of the missing daisies."</p>	<p>Daisy under magnifyer.</p>
<p>Card 14 "The daisies are losing their petals", said Melantha wisely.</p>	<p>Daisy with petals falling off.</p>
<p>Card 15 "Pappouli called it APOPTOSIS when petals are falling off", said Taso.</p>	<p>APOPTOSIS</p>
<p>Card 16 "And look at the three deep rivers, the Front, Middle and Back rivers. They form the catchment area. There are less daisies with leaves in the catchment area," said Wise Melantah and Dapper Peppah and Taso agreed.</p>	

<p>Card 17 “Another name Pappouli gave for the Front River is the Anterior River and called the Back River the Posterior River”, Taso replied.</p>	<p>ANTERIOR POSTERIOR</p>
<p>Card 18 “But I call the catchment area, the watershed area.” said Taso proud.</p>	<p>Proud Taso</p>
<p>Card 19 “It is the daisies in the watershed area that drop their petals. The water in that area may carry harmful ingredients. If the acid in the water is out of balance, the leaves will also fall off.”</p>	
<p>Card 20 “Adenosine tri” ... started Taso “Stop, stop, Taso! That is too much Greek for me.” said Dapper Peppah. “We can also call it ATP, which is an essential spice of energy,” Taso continued.</p>	<p>ADENOSINE TRIPHOSPHATE</p>
<p>Card 21 “When the river water is out of balance, ATP may not reach the cell. “Without ATP to the cell, the cell does not have enough energy, the flowers need energy to survive.” Melantah agreed.</p>	<p>A T P</p>
<p>Card 22 “Now I understand, without energy, the leaves will shrink and then fall off” said Dapper Peppah.</p>	<p>Show shrinking leaves on a daisy</p>
<p>Card 23</p>	<p>Show a large hippo blocking the entire river.</p>

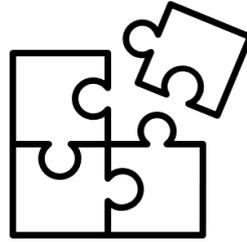
<p>“Could it be a blockage in one of the rivers?” asked Taso. “No Taso it is not the same, a blockage can happen in any river, not only in the watershed area,” replied Wise Melantah.</p>	
<p>Card 24 “How can we treat these flowers, Melantha?”</p> <p>“We can put the flowers under waterfall with a cold stream of water for three days,” and rainbows came out of Wise Melantah’s mouth when she spoke.</p>	<p>Waterfall</p>
<p>Card 25 “I will do that right now, and let you know in three days Melantah!”</p> <p>Fair Bellah could see Dapper Peppah hurry to the cold waterfall with ten flowers in his hand.</p>	<p>A waterfall with ten daisies in test tubes underneath the waterfall.</p>
<p>Card 26 After three days Dapper Peppah came back with a paper in his hand. Stormy Chief, Fair Bella, Wise Melantah and Taso listened to what Dapper Peppah had to say.</p>	<p>Dapper Peppah’s hand with a rolled paper in it.</p>
<p>Card 27 “Some of the flowers got better but others did not. We could save about half of the flowers”, read Peppah from his paper.</p>	<p>Open book roll with report written on it in handwriting</p>

Card 28

Fair Bellah, we know some of the reasons that causes the problem, but not everything. We still have a lot to learn.

Would you allow us to solve the puzzle of the missing daisies for longer?" asked Dapper Peppah.

Daisies on puzzle



Card 29

"Dapper Peppah, you have done good work. Yes please, study the daisies for longer."

"One day our valley will be filled with daisies again."



Card 30

"I am choosing hope. Hope is an adventure!"
Two rainbows came from Wise Melantha's mouth.



Card 31

Newly diagnosed?

No matter what lies ahead, take comfort in knowing that you are not alone.



Card 32

More resources and support can be found at:

Hope for HIE

Visit <https://www.hopeforhie.org/>



My name is Annaleen Coetser and I currently work at the Institute for Cellular and Molecular Medicine at the University of Pretoria.

