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Written by

Dr. Rory McPherson

Shawn Deloache

Peer reviewed by

Dr Sally Vogel &

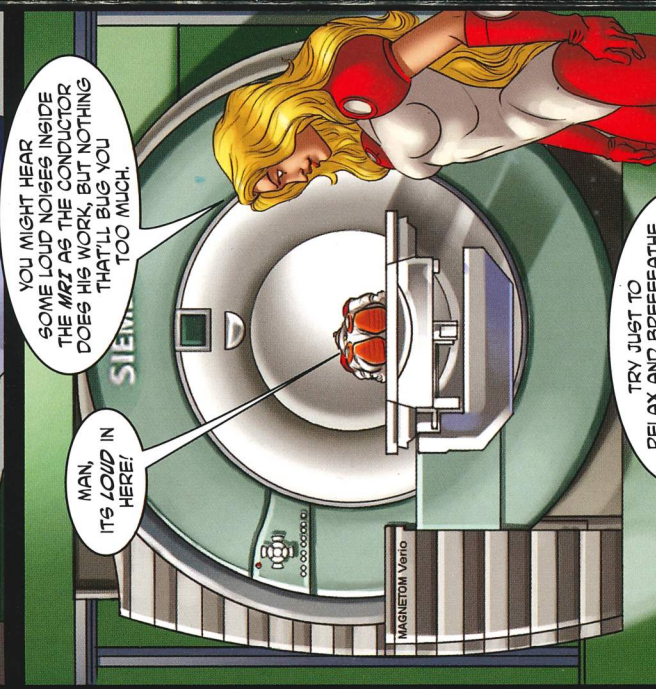
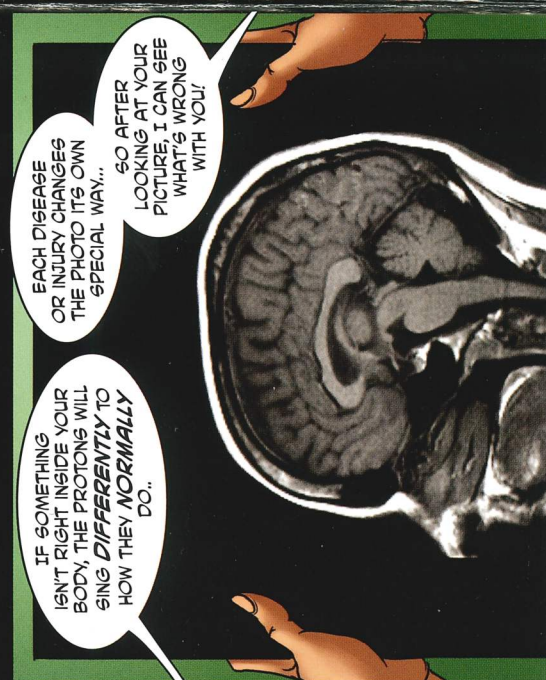
Dr Kieran McHugh

For more information on MRI  
or the **MEDIKIDZ** visit  
[www.medikidz.com](http://www.medikidz.com)

If you have any further questions  
email Rory the radiologist  
[rory@medikidz.com](mailto:rory@medikidz.com)

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# MEDIKIDZ

## EXPLAIN MRI



WITH GUEST STAR...  
**RORY THE RADIOLOGIST!**



THAT WAS EASY.  
IT WASN'T THAT LONG AT ALL!

NOW, WHERE'S MY LOLLIPOP?

COOL-NOW I GET IT!

THE **MRI** TAKES PHOTOS AT THE PHOTOS TO TELL WHAT IS WRONG.

IT DOESN'T HURT ME AT ALL, BUT, I HAVE TO PROMISE TO LIE VERY VERY STILL.

THAT'S IT!



...AND THAT'LL BE 7.50 FOR THE BROKEN LOOK.



NOT YET PLEASE. JUST HOLD STILL A BIT LONGER!

CAN I COME OUT YET?

IF YOU DON'T LIKE SMALL SPACES, OR THINK YOU WON'T BE ABLE TO LIE STILL, YOUR DOCTOR CAN GIVE YOU SOME MEDICINE TO MAKE YOU FEEL SLEEPY.

SOMETIMES YOU NEED TO HAVE AN INJECTION OF COLOURED LIQUID BEFORE THE **MRI**.

THE LIQUID MAKES SOME BITS OF THE PHOTO STAND OUT MORE THAN OTHERS.

YOU'RE DOING GREAT GASTRO... WE'RE ALMOST DONE!





DR RORY.. WE CAN EXPLAIN!

OOOOF!



HI RACHEL-- I'M RORY THE RADIOLOGIST.

WE WERE JUST TEACHING RACHEL ABOUT AN MRI AND WHY THERE'S NOTHING TO WORRY ABOUT!



SO YOU'RE THE GUY WHO RUNS THE BIG MAGNETIC CAMERA.



MRI = MAGNETIC RESONANCE IMAGING

...WHICH TRANSLATED INTO ENGLISH MEANS BIG MAGNETIC CAMERA!



I WONDER WHERE DR RORY KEEPS HIS LOLLIPOPS..

SHHH! DON'T MAKE ANY NOISE OR WE MIGHT GET-



OOOOF!

CAUGHT.

MEDIKIDZI!

EEEEEEK!!



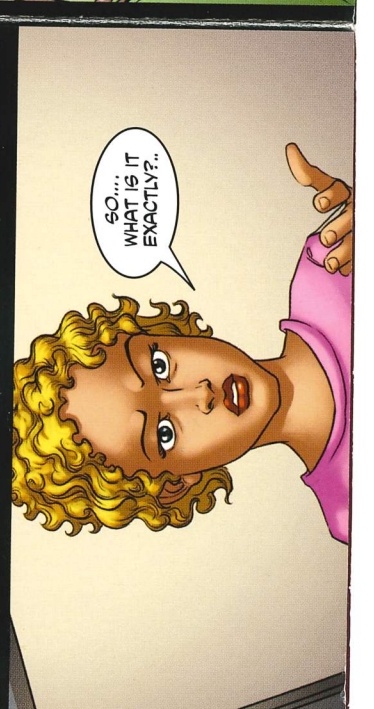
THERE IT IS!

WOW! LIVE IN PERSON!



I CAN'T BELIEVE IT! A REAL MRI MACHINE!

THAT'S RIGHT! JUST LIKE THE ONE YOU WILL BE LYING INSIDE TOMORROW..



SO... WHAT IS IT EXACTLY?..

LIKE X-RAY VISION!

THAT'S CORRECT!

BUT LET ME TELL YOU--THIS MACHINE IS NO ORDINARY "CAMERA"...

IT TAKES PHOTOS OF YOUR **INSIDES**, SO THAT DOCS LIKE ME CAN HELP WORK OUT WHAT IS WRONG.

LIKE THEY SAY, IT'S WHAT'S **INSIDE** THAT COUNTS!

THE MRI USES A HUGE MAGNET TO TAKE PICTURES.

...LIKE A FRIDGE MAGNET.

ONLY MUCH **BIGGER AND STRONGER.**

I DON'T GET IT.

LET ME EXPLAIN...

YOUR BODY IS FILLED WITH TINY LITTLE WEAK MAGNETS CALLED **PROTONS**.

LET'S TAKE A LOOK AT GASTRO'S PROTONS USING MY **MEDI-VISION!**

A PROTON IS A VERY SMALL PARTICLE--EVEN SMALLER THAN A GRAIN OF SAND!

WE ALL SING TOGETHER..

IN THE PROTON CHOIR!

THE PROTONS NEED A CONDUCTOR-- THE HUGE, BIG, MAGNET.

AHEM!!

THE CONDUCTOR GETS THEIR ATTENTION AND TELLS THEM WHEN TO START SINGING.

THE CHOIR SINGS TO THE MRI IN **RADIOWAVES**

MORE PROTONS = **LOUD**

LESS PROTONS = **SOFT**

DIFFERENT PARTS OF YOUR BODY HAVE MORE PROTONS THAN OTHERS.

THE MRI TURNS THEIR SONGS AND DANCE INTO A PICTURE!...

THEN... VOILA!

...BY USING ONLY THREE COLOURS: BLACK, GREY AND WHITE.

THE **MORE** PROTONS, THE **BRIGHTER** THE SPOT, THE **LESS**, THE **DARKER** THE SPOT.