



The Neurobiology of Trauma

What You Need to Know About the Brain and Trauma
(PART 3)

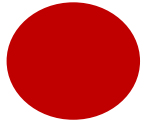
Rebecca Campbell, Ph.D.
Professor of Psychology
Michigan State University

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I want to share with you how research on the brain can help us connect the dots . . .

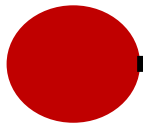


Sexual
Assault

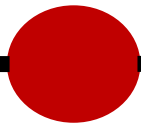


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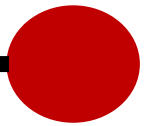
Immediate
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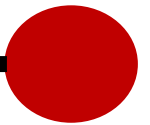
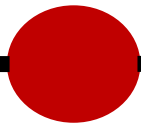
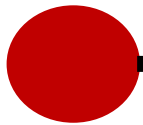


Immediate
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Cold Case
Investigation
& Notification

1 Year? 2 Years? 3 Years? ... 10 Years?



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Webinar: Part 1

- How the brain & body react to major traumas, including sexual assault
- Emphasis on understanding *victim behavior* during assault & in immediate aftermath

Webinar: Part 2

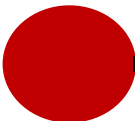
- How the brain & body react to major traumas, including sexual assault
- Emphasis on understanding *memory formation* & *recall* during assault & in immediate aftermath

Webinar: Part 3

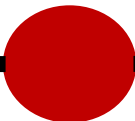
- How the brain & body react to major traumas, including sexual assault
- Emphasis on understanding *implications* for cold case investigations and victim notifications

Neurobiology & Cold Cases

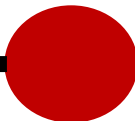
NOW HERE



Sexual
Assault




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Where do you start?



We started by pulling the police reports from the untested rape kits.

Sex Crimes Unit Detective
In Jurisdiction With Untested SAKs

[REDACTED]

INTER-OFFICE MEMORANDUM

To: OIC

Subject: [REDACTED]

(A)

THIS COMPLT IS DEEP! SHE TELLS THIS STORY
NO-TEARS NONE!!! THE TIMES ARE OFF.

I TALKED WITH THE DR. ALL HE FOUND WAS
A LITTLE WHITE DISCHARGE NO TRAUMA!!!
WHO CAN FIGURE IT!

[REDACTED]



OVER ↓

GOOD LUCK

[REDACTED]

INTER-OFFICE MEMORANDUM

To: DIC

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[REDACTED]



OVER ↓

GOOD LUCK

**OLD
POLICE
REPORT**

LIES
have already
been covered
and uncovered
CONFIDENTIAL

FAX COVER PAGE

[REDACTED]

OIC
ON CASE
IS

[REDACTED]

APPEARS
TO BE
A FALSE
REPORT

FROM [REDACTED]

FOR [REDACTED]

FILE [REDACTED]

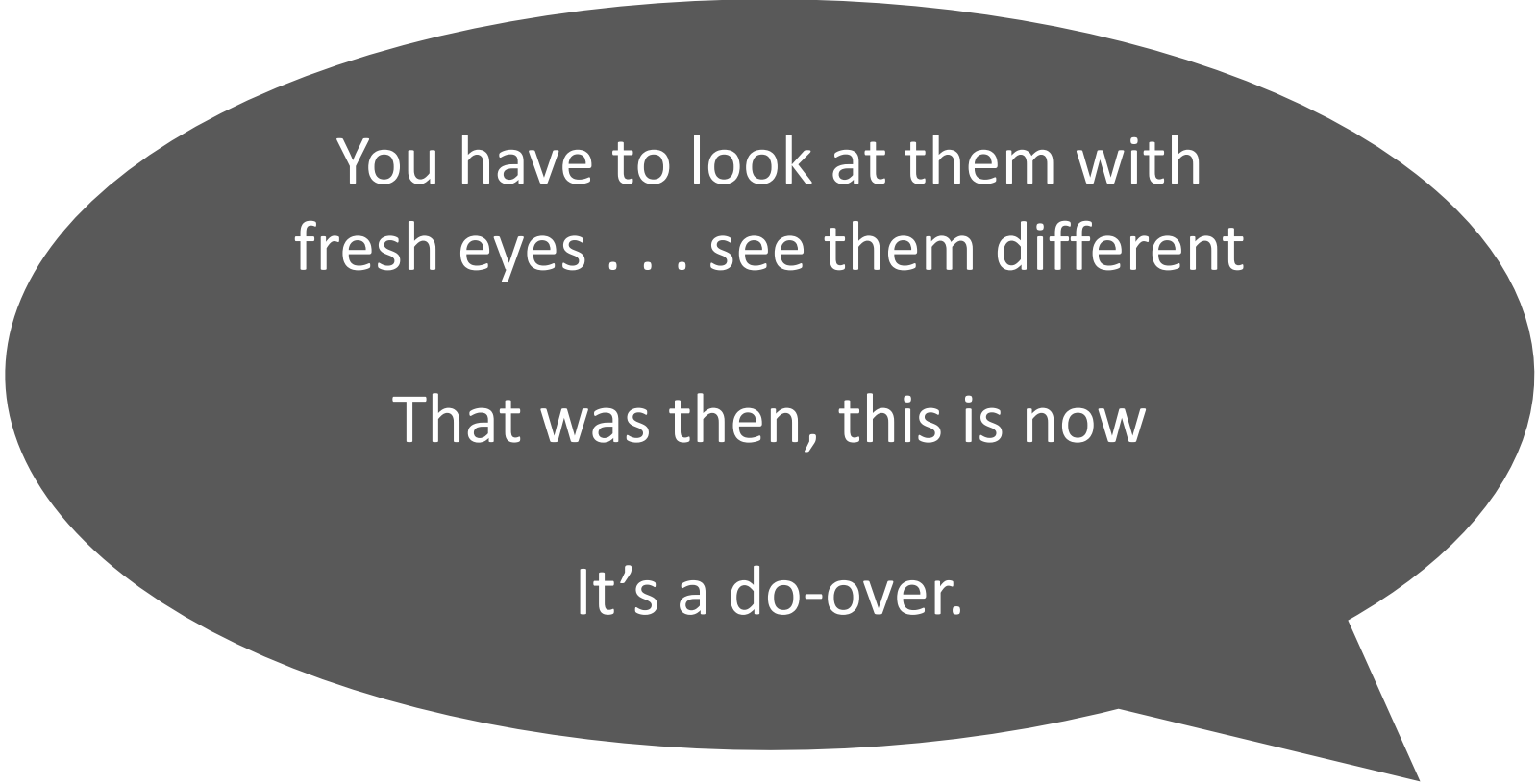
[REDACTED]

PAGES INCLUDING FAX COVER PAGE

STORY HAS NOT
BEEN CHECKING
OUT AS COMPLAINANT
STATES.

Back Then

- Science on neurobiology of trauma still developing
- Training on neurobiology of trauma non-existent
- Any training on trauma nearly non-existent
- Sexual assault not an organizational priority



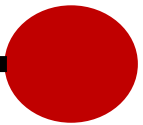
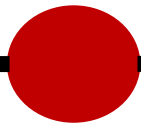
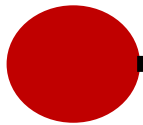
You have to look at them with
fresh eyes . . . see them different

That was then, this is now

It's a do-over.

Sex Crimes Unit Detective
In Jurisdiction With Untested SAKs

1 Year? 2 Years? 3 Years? ... 10 Years?



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WHAT HAPPENED HERE?

1 Year? 2 Years? 3 Years? ... 10 Years?



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A Reasonable Guess . . .

A Reasonable Guess . . .



SOURCE: Campbell, Dworkin, & Cabral, 2009

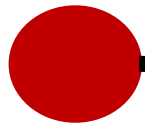
A Reasonable Guess . . .



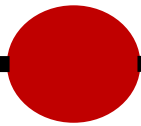
SOURCE: Campbell, Dworkin, & Cabral, 2009

A Reasonable Guess . . .

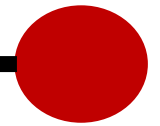




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???

**Because we don't know, we need to take a
TRAUMA-INFORMED APPROACH**

Trauma-Informed

- Attending to victims' emotional AND physical safety
- Strengthening victims' capacity to recover with information, resources, services, and support
- Educating victims, service providers, and the general community about the impact of trauma on survivors' health and well-being

Victim Notification Is . . .

- A reactivation of the assault memories
 - HPA Axis re-activation will cause neurobiological distress
 - Could trigger flashbacks and other symptoms
 - Could exacerbate PTSD and/or other MH issues
 - Could increase substance use/abuse
 - Could trigger substance abuse relapse

Empirically-Supported Guidelines for Cold Cases

- Multidisciplinary team to form protocols
- Training for all practitioners involved in cold cases
- Protocols attend to physical & emotional safety
- Protocols need to provide choice & control

Empirically-Supported Guidelines for Cold Cases

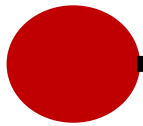
- Multidisciplinary team to form protocols
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AND... Increases victim engagement
Increase successful prosecutions

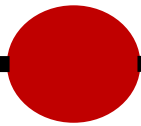
Conclusions

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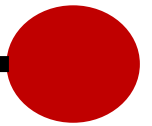
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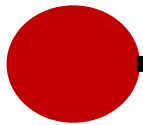


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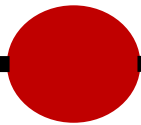


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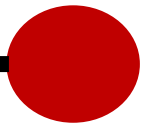
UNDERSTANDING NEUROBIOLOGY OF TRAUMA



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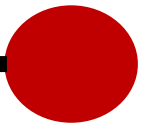
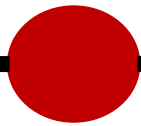
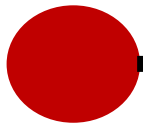


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TRAUMA-INFORMED PROTOCOLS

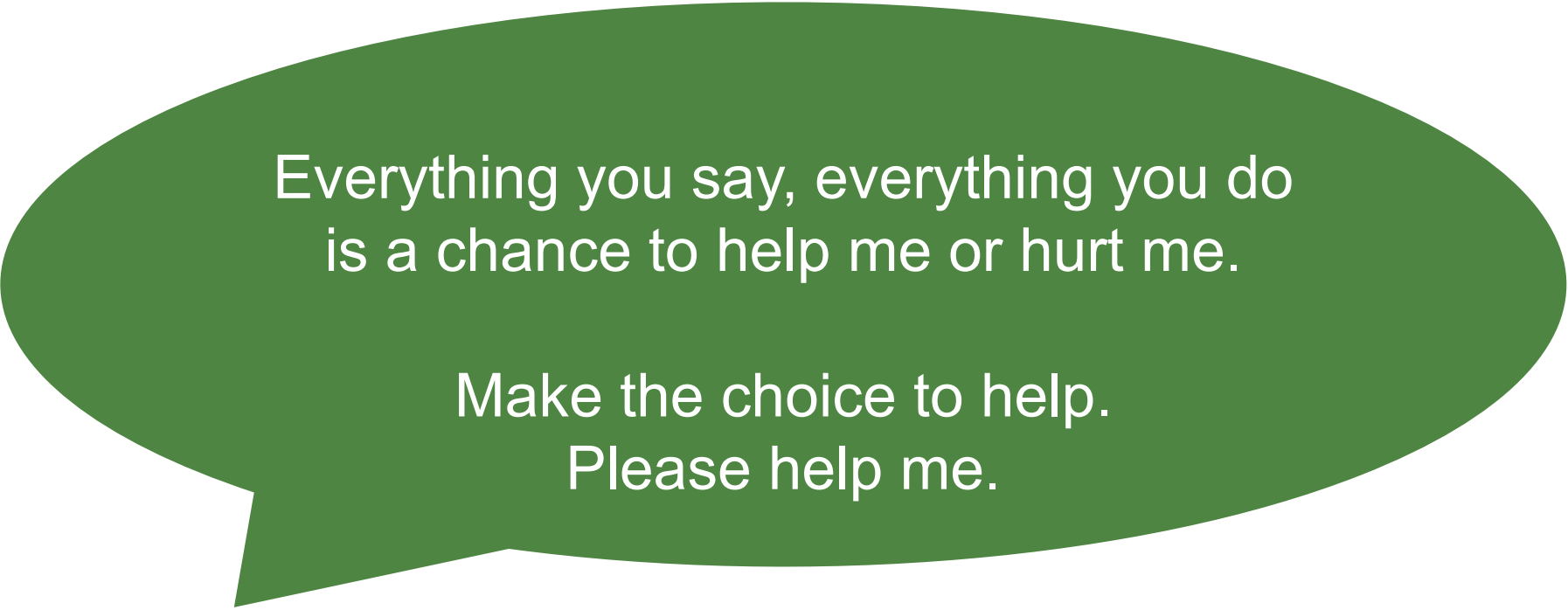


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A green speech bubble with a white outline and a small tail pointing towards the bottom left. The text inside is white and centered.

Everything you say, everything you do
is a chance to help me or hurt me.

Make the choice to help.
Please help me.

You Can Help.

You Are Helping.

**Becoming Trauma Informed
Means You Are Helping.**



Thank you!

Questions and Discussion

rmc@msu.edu