

autism - a clinician's POV

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two topics

- autism screening study
- talking to families about causative factors

“Olivia”

how do cases get missed?

- AAP reccs
- are PCPs systematic in applying surveillance and screening?
- pilot study

autism screening study pilot

- surveyed pediatric and family medicine resident doctors at Seton
- most used M-CHAT
- fewer surveyed at 18 and 24 months
- most referred for speech delay, parent concerns, positive screen

autism screening study

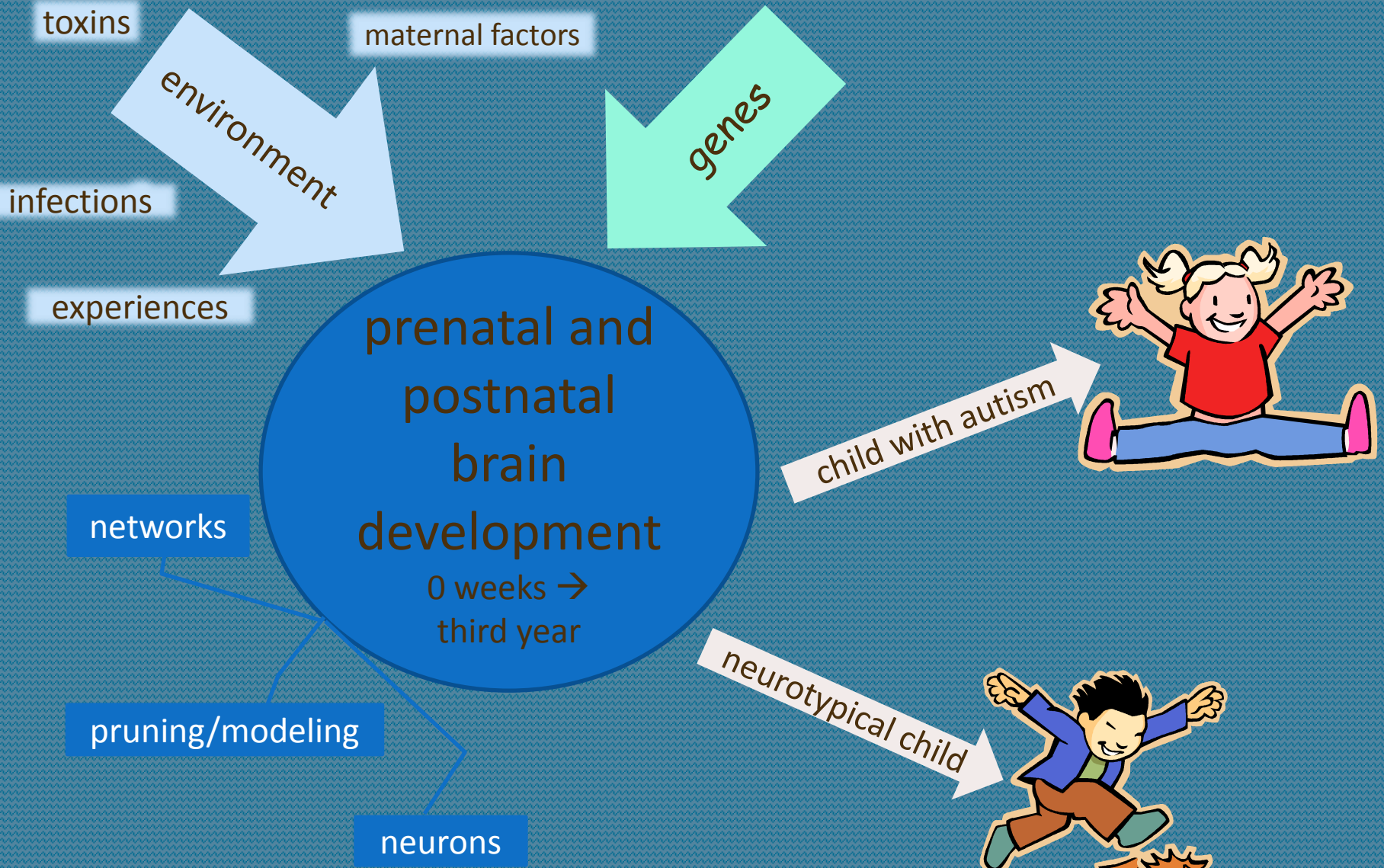
- next step:
 - screen area practitioners
 - determine referral needs

talking to families about causative factors

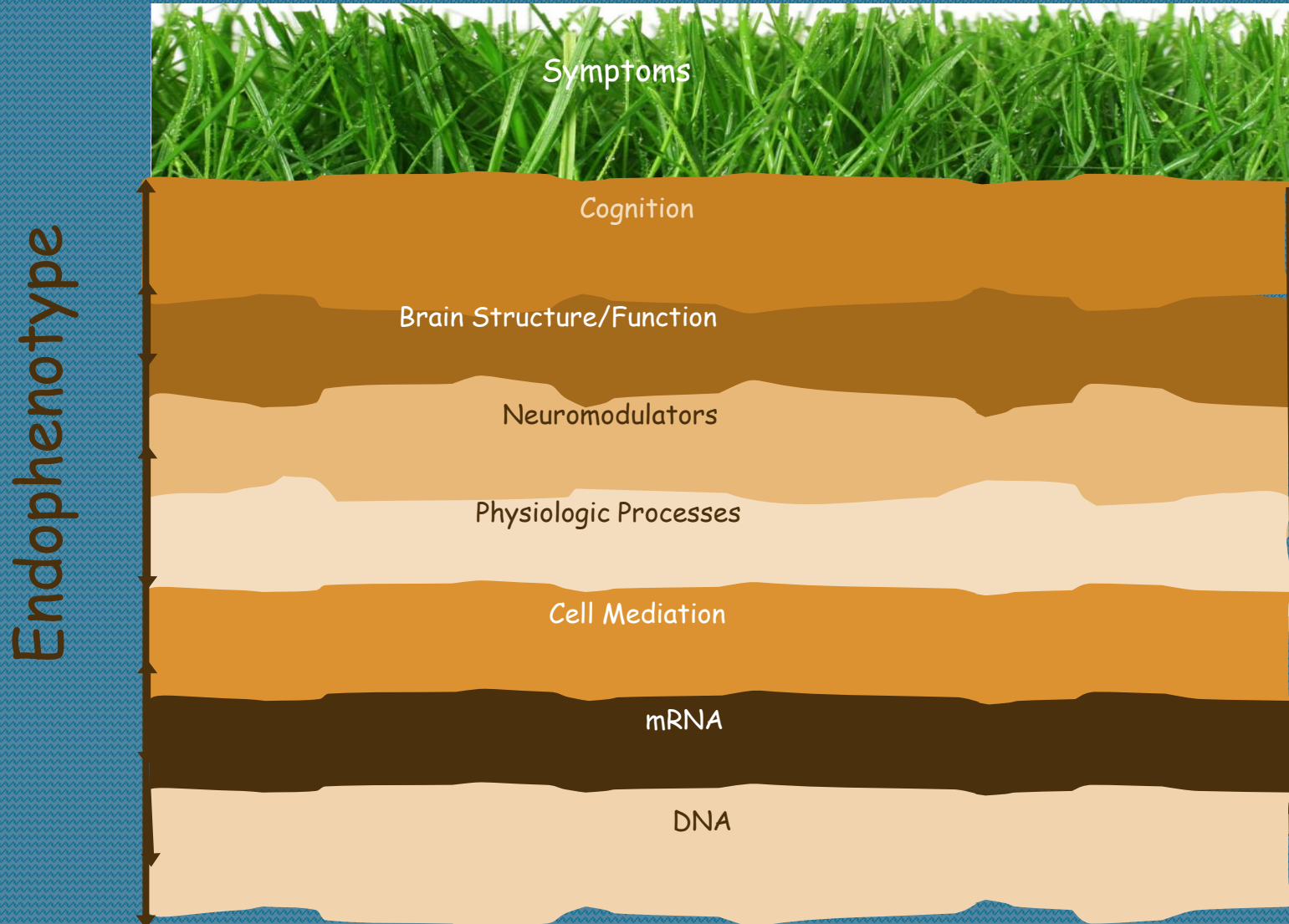
- **PRIMUM NON NOCERE**

- what autism is
- how autism comes to be
- how we treat autism

autism – a neurodevelopmental disorder



Earth Model → Etiology → Intervention



From: Robert Hendren, DO
UC San Francisco

Endophenotype



Symptoms

Level 4

Cognition

Brain Structure/Function

Level 3

Neuromodulators

Physiologic Processes

Cell Mediation

Level 2

mRNA

DNA

Level 1

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level based interventions

- level 4 – behavioral interventions
- level 3-4 – OT/PT/ST/CBT
- level 2-3 – pharmacotherapy
- level 2 – biomedical/CAM
- level 1 – gene modification

next steps – research

- to identify endophenotypes
- to identify etiologic factors
- to identify preventive factors
- to identify specific interventions
 - prenatal
 - postnatal
 - developmental windows

You are not expected to complete the task, but neither are you permitted to lay it down.