

Slide 1:

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“AKA AUTISM SPECTRUM DISORDER

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-SYMPTOMS INVOLVE: © 3. ey

“IMPAIRMENTS: IN SOCIAL: COMMUNICATION AND INTERACTION  
RESTRICTED AND REPETITIVE BEHAVIORS ~ “-) ’

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Slide 2:

TYPICAL BRAIN AUTISTIC BRAIN

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Slide 3:

TYPICAL BRAIN AUTISTIC BRAIN

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UNUSUALLY RAPID. GROWTH  
IN INFANCY AND EARLY CHILDHOOD

ATYPICAL PATTERNS OF CONNECTIVITY:

Slide 4:

RISK FACTORS & MECHANISMS

P-: VCa

“RISK IS STRONGLY-INFLUENCED BY:GENETICS, BUT  
ENVIRONMENT,ALSO LIKELY PLAYS A LARGE ROLE

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Slide 5:

RISK FACTORS & MECHANISMS

"RISK IS STRONGLY\*INFLUENCED BY:GENETICS, BUT ENVIRONMENT,ALSO LIKELY PLAYS A KARGE ROLE

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Slide 6:

RISK FACTORS & MECHANISMS

"RISK IS STRONGLY:INFLUENCED BY: GENETICS, BUT ENVIRONMENT,ALSO LIKELY. PLAYS A LARGE ROLE

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=RISK FACTORS TYPICALLY ASSOCIATED WITH PRENATAL OR PERINATAL PERIOD; 2 2": -a\*@ +

(E.G, ADVANCED PARENTAL AGE. BIRTH COMPLICAY rloNS)

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Slide 7:

RISK FACTORS & MECHANISMS

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"RISK IS STRONGLYNFLUENCED BY\*GENETICS, BUT ENVIRONMENT,ALSO LIKELY. PLAYS-A LARGE ROLE

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=RISK FACTORS TYPICALLY ASSOCIATED WITH PRENATAL OR PERINATAL PERIOD, =r <del

~IE.6, ADVANCED PARENTAL AGE, BIRTH COMPLICATIONS)

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Slide 8:

## RISK FACTORS & MECHANISMS

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“RISK IS STRONGLY INFLUENCED BY GENETICS, BUT ENVIRONMENT, ALSO, LIKELY PLAYS A LARGE ROLE

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“RISK FACTORS TYPICALLY ASSOCIATED WITH PRENATAL OR PERINATAL PERIOD, 0-2 “ed Sef

~[E.G., ADVANCED PARENTAL AGE, BIRTH. COMPLICATIONS)

“UNCLEAR HOW RISK FACTORS MIGHT INTERFERE WITH DEVELOPMENT ieae

POSSIBILITIES INCLUDE EPIGENETIC EFFECTS, INFLAMMATION, ‘OXIDATIVE STRESS; DAMAGE DUE TO HYPOXIA

Slide 9:

## RISK FACTORS & MECHANISMS

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“RISK FACTORS TYPICALLY, ASSOCIATED WITH PRENATAL OR PERINATAL PERIOD , 0 = te 74 “i +)

~(E.G., ADVANCED P; RENTAL. AGE, BIRTH, COMPLICATIONS)

“UNCLEAR HOW RISK FACTORS MIGHT INTERFERE WITH DEVELOPMENT Ss ary

“POSSIBILITIES INCLUDE EPIGENETIC EFFECTS, INFLAMMATION, OXIDATIVE STRESS, DAMAGE. DUE TO HYPOXIA

Slide 10:

## RISK FACTORS & MECHANISMS

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“RISK IS STRONGLY INFLUENCED BY GENETICS, BUT ENVIRONMENT, ALSO LIKELY PLAYS A LARGE ROLE

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=RISK FACTORS TYPICALLY, ASSOCIATED WITH PRENATAL  
OR PERINATAL PERIOD, 2" -d <sup>TM</sup>eh

wTE.G,, ADVANCED PARENTAL AGE, BIRTH COMPLICATIONS)

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"UNCLEAR HOW RISK FACTORS. MIGHT INTERFERE WITH  
DEVELOPMENT aon

~POSSIBILITIES INCLUDE EPIGENETIC;;EFFECTS, INFLAMMATION,  
OXIDATIVE STRESS, DAMAGE DUE TQ,HYPGXIA,

Slide 11:

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