



Prospective study of sleep characteristics, work-

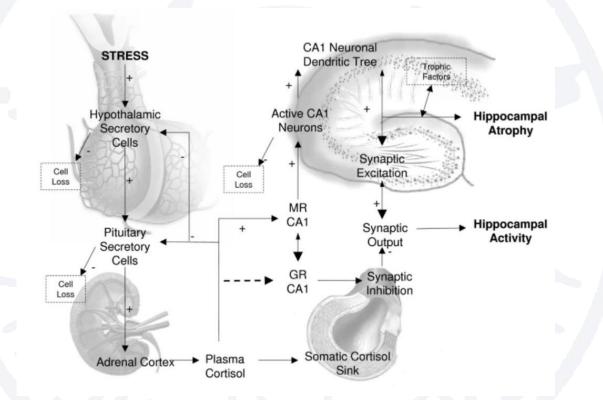
related stress and risk of dementia in Sweden

Xiao Tan Associate Professor Zhejiang University School of Public Health <u>xiao.tan@zju.edu.cn</u> WCE2024 Cape Town, South Africa

WORK-RELATED STRESS



- Common, unavoidable in contemporary work environment
- Under-use of skills or underskilled for work, discrimination, inequality, excessive workloads, job insecurity, unsafe/poor working condition
- 15% of working-age adults were estimated to have a mental disorder (WHO 2019)



Mc Auley et al. (2019) BMC Neurosci

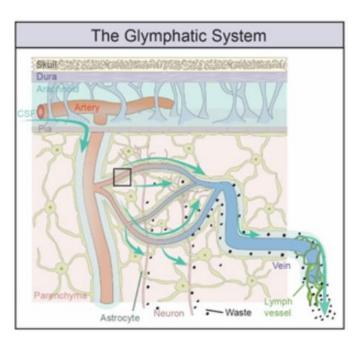
SLEEP AND COGNITION

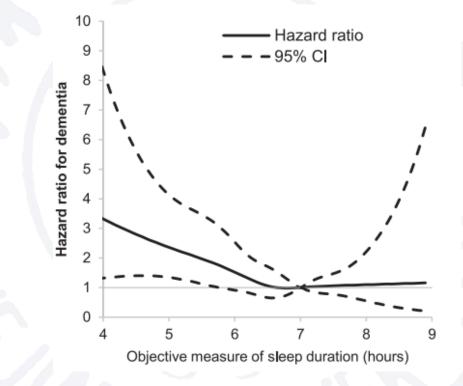


• Pivotal role

创新

• Sleep duration and quality





Sabia et al. (2021) Nat Commun

Hablitz and Nedergaard (2021) Current Biology

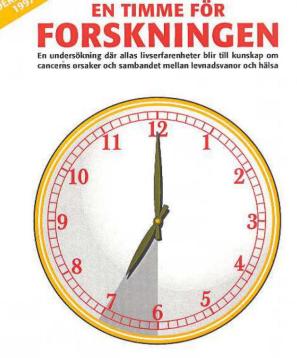
 Retrospective cohort study (median follow-up 19.2 years)

Swedish National March Cohort

 19,369 participants aged 45 and above at baseline from 42,059 individuals in the cohort

STUDY DESIGN





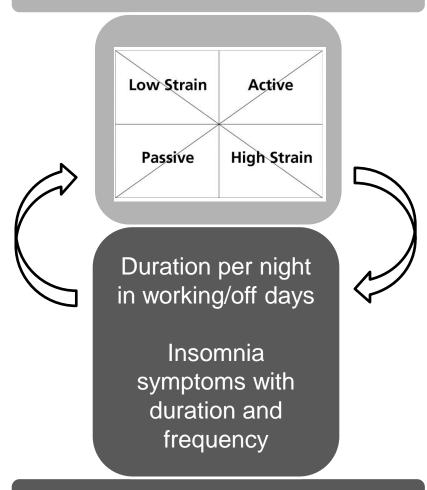


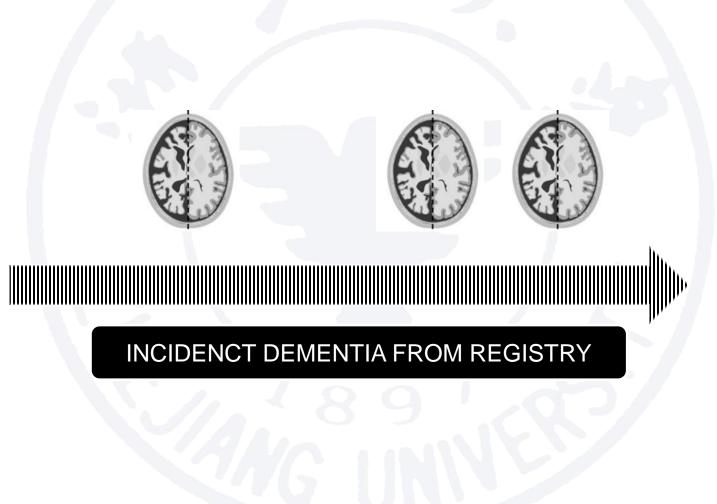






WORK RELATED STRESS

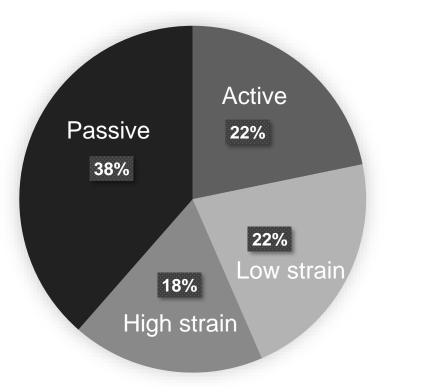




SLEEP

BASELINE CHARACTERISTICS





《是 创新

Compared with active job

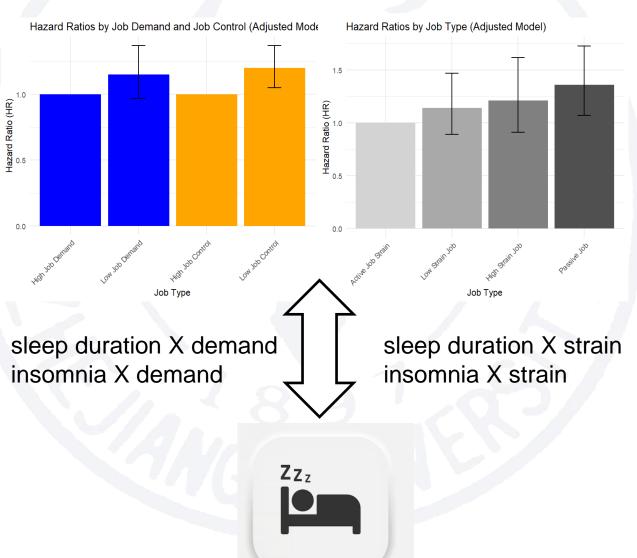
- Passive job: age, education, chronic diseases
- Low strain: sex, social isolation, depression
- High strain: sleep duration, insomnia

STRESS and DEMENTIA



Compared with "Active job"

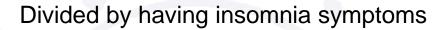
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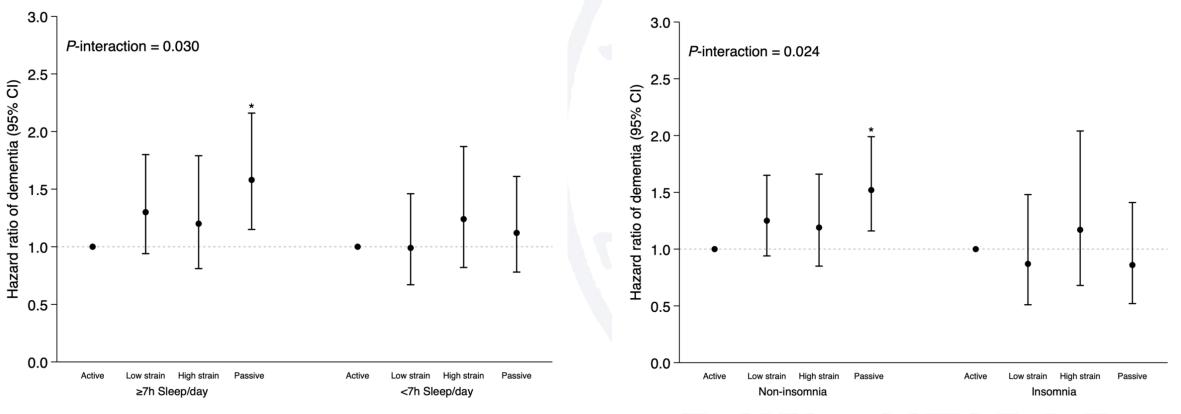


STRESS AND DEMENTIA BY SLEEP STATUS



Divided by sleep duration (7h/d)





TAKE HOME MESSAGE & ACKNOWLEDGEMENT

- Stress at work increase the risk of dementia
- Conditions with sleep patterns
- Mechanisms warrant further studies



More about ZJU SLEEP LAB

O3-24: Neuroepidemiology

2.44-2.46, Fri 27/9 9:30



Jen Y. Zheng (PhD student, Zhejiang University)

Other contributors Ylva Trolle Lagerros, Hans-Olov Adami, Anna Miley Åkerstedt



Torbjörn Åkerstedt (Professor, Karolinska Institutet)

Hui-Xin Wang (Professor, Stockholm University)

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