

Introduction

Medical-Record Questionnaire

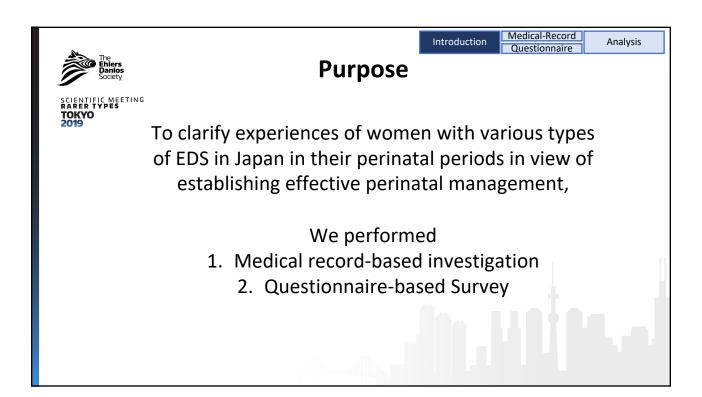
Analysis

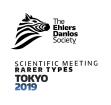
Background

At the Center for Medical Genetics at Shinshu University Hospital, we have provided diagnosis and genetic counseling to patients with various types of EDS nationwide

Pregnancy of women with EDS is an important life-event that could be associated with physical risks and affect the following generations, the condition has never been comprehensively investigated in Japan.

Analysis





Medical record-based investigation

Subjects

Women with various types of EDS that have received genetic counseling and/or medical care in Shinshu Univ. Hospital.

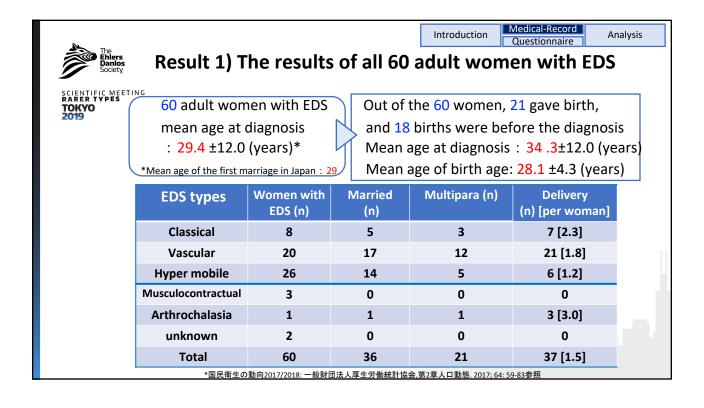
Introduction

Periods

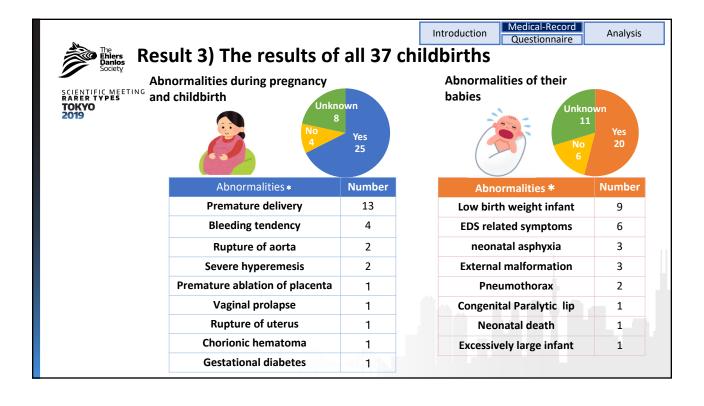
April 1, 2000 to March 31, 2018.

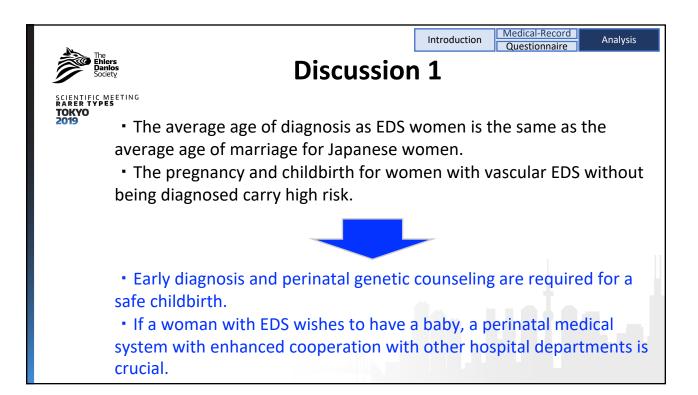
Collected information

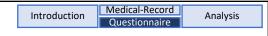
The ages at diagnosis, married or not, medical histories, courses of pregnancy and delivery, number of children including their physical status (affected or not), etc.



| The Enlers Danios Society | SU | ı lt 2) 6 wor | Introduction | Analysis neir childbirth |
|------------------------------|----|-----------------------|--|--|
| SCIENTIFIC MEETING | | Туре | Course | Delivery |
| RARER TYPES TOKYO 2019 | 1 | Vascular type | Rupture of aorta at GA 32 weeks Neonatal asphyxia in the baby | Emergency caesarean (undiagnosed) |
| | 2 | Vascular type | Rupture of uterus at GA 36 weeks | Emergency caesarean (undiagnosed) |
| | 3 | Vascular type | Premature ablation of normally implanted placenta Death in the baby | Emergency caesarean (undiagnosed) |
| | 4 | Vascular type | Rupture of left iliac artery at GA 34 weeks Neonatal asphyxia in the baby Rupture of right iliac artery in the postpartum period | Emergency caesarean (undiagnosed) |
| | 5 | Vascular type | Disclosed that her father was diagnosed as vEDS at GA 10 weeks Followed by her own diagnosis as vEDS | Elective caesarean (diagnosis during pregnancy) |
| | 6 | Hypermobility type | Suspected as having Marfan syndrome at pregnancy check-up.Followed by the final diagnosis as hEDS | Vaginal (diagnosis during pregnancy) |
| | Ur | ndiagnosed w | omen with vEDS have significant pregnan | cy-related risks! |









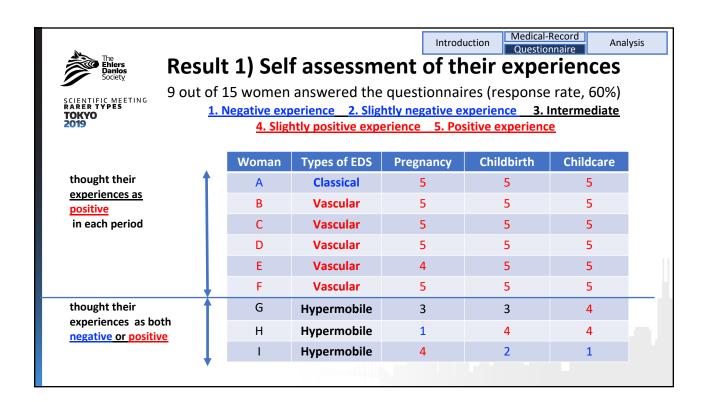
Questionnaire-based survey

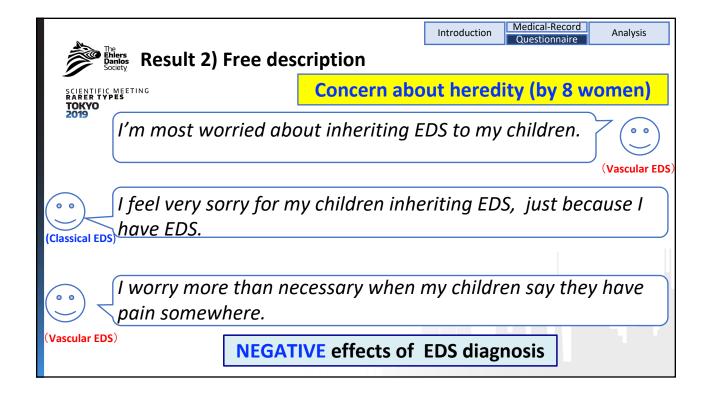
Subjects

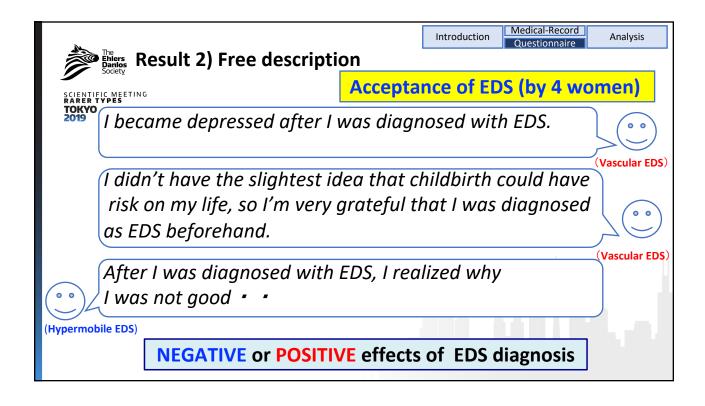
- 15 Women with various types of EDS, who experienced childbirth.
- *Women with mental illness or those who couldn't have a baby were excluded, considering a psychological potential burden of this survey.

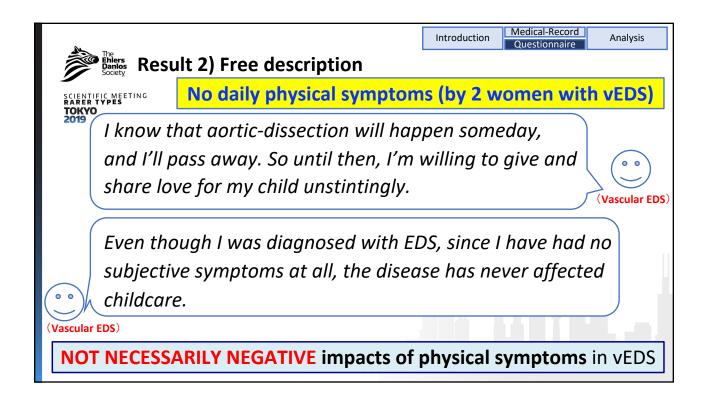
Contents of the questionnaire

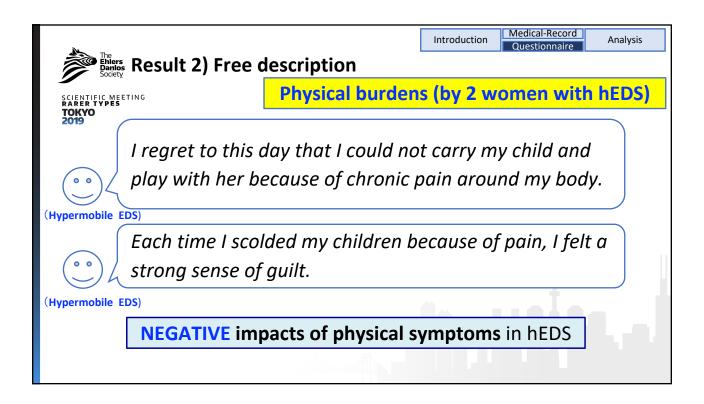
- I) Whether their experiences of pregnancy, childbirth, and childcare were a positive or negative one for them, according to the scale of "1–5".
- II) Free description about their experiences of pregnancy, childbirth, and childcare.

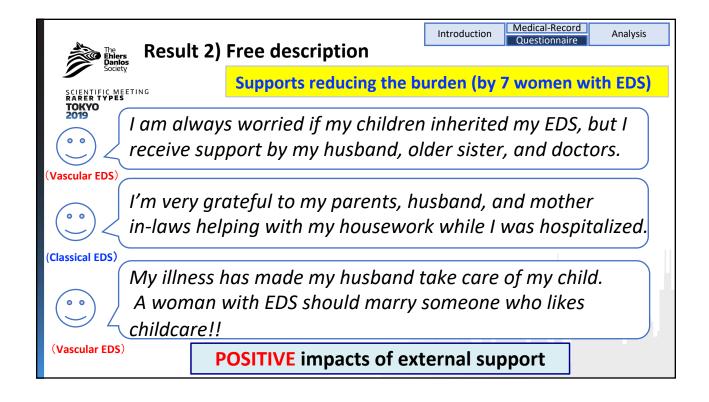


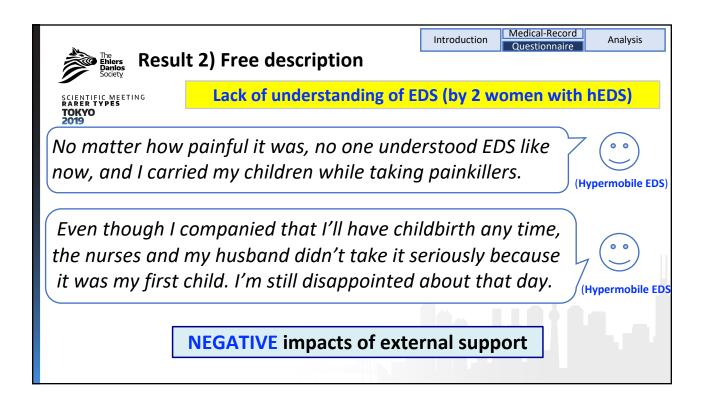


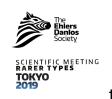












Discussion 2

Introduction

Medical-Record

Questionnaire

Analysis

- Experiences of childbirth for women differed depending on the type of EDS, especially chronic pain made perinatal experiences difficult for women with hEDS.
- Impacts of diagnosis, physical symptoms, and support from others seemed important.



• In genetic counseling, empathy for women with EDS would be important in view of their physical and psychological burdens based on the type of EDS.



Collaborators

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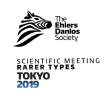
and Tomoki Kosho^{3,4}

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Acknowledgment

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