

EHDI

(Early Hearing Detection & Intervention)

IN IRAN

**Farzad Rahimi, BSc,
Mohsen Firoozbakht, MP.MPh,
Mansoor Esmailzadeh, MSc.,**

Co Editor:

**Saeed Mahmoudian PhD,
Farshid Alaedini PhD,
Minoo Rafiei, MD. MPh,**



**Deputy of Handicap Prevention
Iranian Welfare Organization**

سرشناسه : رحیمی، فرزاد، ۱۳۴۴ -

Rahimi, Farzad

EHDI (early hearing detection & intervention) in Iran/ Farzad Rahimi, Mohsen Firoozbakht, Mansoor Esmailzadeh; co editor Saeed Mahmoudian, Farshid Alaedini, Minoo Rafiei.

مشخصات نشر : نکا: درساقلم، ۱۳۹۶=۲۰۱۷م.

مشخصات ظاهری : ۷۴ص: مصور(بخشی رنگی)، جدول(بخشی رنگی).

شابک : ۳-۲-۹۸۰۳۳-۹۸۰۶۰۰-۹۷۸

وضعیت فهرست نویسی : فیبا

یادداشت: انگلیسی.

آوانویسی عنوان : ای اچ دی آی...

موضوع : اختلالات شنوایی در نوزادان - تشخیص

Hearing disorders in infants-- Diagnosis موضوع

موضوع : شنوایی سنجی

Audiometry موضوع

موضوع : اختلالات شنوایی - درمان

Hearing disorders-- treatment موضوع

موضوع : شنوایی شناس

Audiology موضوع

شناسه افزوده : فیروزبخت، محسن - ۱۳۴۴ -

Firoozbakht, Mohsen شناسه افزوده

شناسه افزوده : اسماعیل زاده، منصف - ۱۳۵۷ -

Esmailzadeh, Mansoor شناسه افزوده

شناسه افزوده : محمودیان، سعید، ۱۳۶۰ - ویراستار

Mahmoudian, Saeed شناسه افزوده

شناسه افزوده : علاءالدینی، فرشید، ۱۳۴۸ - ویراستار

Alaedini, Farshid شناسه افزوده

شناسه افزوده : رفیعی، مینو، ۱۳۴۸ - ویراستار

Rafiei, Minoo شناسه افزوده

رده بندی کنگره : ۱۳۹۶ الف۹/۵ RF۲۹۱/۵

رده بندی دیویی : ۶۱۷/۸۰۰۸۳

شماره کتابشناسی ملی : ۴۹۵۱۳۷۵



انتشارات درساقلم

عنوان کتاب: EHDI (early hearing detection & intervention) IN IRAN

مؤلفان: فرزاد رحیمی، محسن فیروزبخت، منصور اسماعیل زاده، سعید محمودیان، فرشید علاءالدینی و مینو رفیعی

صفحه آرا: احمد خدادی

ناشر: انتشارات درساقلم

نوبت چاپ: اول

سال چاپ: ۱۳۹۶

تیراژ: ۲۰۰ نسخه

محل نشر: مازندران

چاپ و صحافی: گاندی

قیمت: ۲۵۰۰۰ تومان

نشانی انتشارات: مازندران - نکا خیابان انقلاب کوچه شهید خلیلی - خلیلی ۴

شماره تماس: ۰۹۱۱۶۳۴۶۱۵۷

شابک: ۳-۲-۹۸۰۳۳-۹۸۰۶۰۰-۹۷۸



Content

Preface.....	7
Introduction.....	8
Issues, terminology and abbreviation.....	9
General Information.....	11
Geography and demography of Iran.....	11
Governance of Iran.....	15
Economy of Iran.....	15
Healthcare system in Iran.....	16
Economy and Health system.....	20
History of EHDI	22
Protocol.....	22
Administrative framework.....	26
Steps of EHDI in Iran.....	31
Current Approaches in IP/UNESCO.....	32
Standards and Benchmarks.....	35
General rules.....	35
Aims.....	37
Indicators.....	37
Benchmarks.....	38
Objectives.....	39
General Policies.....	39
Expansion process.....	40
Present Situation.....	42
Some results of the Program.....	44
Status of various stages of EHDI in Iran.....	53



Screening stage:	53
Hearing confirmation stage:.....	53
Intervention stage:.....	53
Follow up:	54
Medical intervention stage/Medical Staff and professional:.....	54
Referral Networks:.....	54
Obstacles for IP/UNHS.....	55
Items for consideration.....	57
Performance Quality.....	59
Program Evaluation.....	64
Consistency of the program:	64
Efficiency:	65
Cost-benefit and Accuracy of Iran Program of Neonatal Hearing	
Screening	68
Future Policies.....	71
last word	72
References.....	73



Preface

I'm proudly glad to present a short preface to this publication on behalf of the deputy of handicap prevention, one of the main branches of Center of prevention development and addiction treatment.

Early hearing detection and intervention (EHDI) has initiated since 1997 in Iran to develop a national program for infant hearing screening. Over the past 18 years working tirelessly, it was promoted as a strategy to detect newborn hearing impairment at early stage as well as improve access to diagnostic and rehabilitation services by making optimum use of local resources.

Newborn hearing screening is standard in Iran now. This progress has been driven by endeavors of our colleagues in deputy of handicap prevention and 31 provinces, lots of different groups and individuals, including professional bodies and the voluntary sectors all working together. It is important to note that despite our accomplishments, there is still work to be done. Of course, the next steps besides increasing coverage include access to higher educational level, public awareness, and also E-learning opportunities. We have also started a new pilot program for other population to detect progressive or non-detected hearing loss (preschool hearing screening program) since last year. So all of that is still ahead of us. The progress is apparent, and we should be very proud of our accomplishments and strive to fulfill the remainder of our projects, together as a group.

We extend our sincere thanks to all for their valuable support and contributions.

Anoshirvan Mohseni Bandpay
Head of Iran welfare organization