CODEPEH

THE COMMISSION FOR THE EARLY DETECTION OF HEARING LOSS (CODEPEH)

With representatives from:
The Spanish Association of Paediatrics,
The Spanish Society of Otolaryngology
and FIAPAS
(codepeh@gmail.com)

GOBIERNO DE ESPAÑA
MINISTERIO DE SANIDAD, SERVICIOS SOCIALES E IGUALDAD
REAL PATRONATO SOBRE DISCAPACIDAD

GOVERNMENT OF SPAIN
SPANISH MINISTRY OF HEALTH, CONSUMER AFFAIRS AND SOCIAL WELFARE
ROYAL BOARD ON DISABILITY

FIAPAS

CONFEDERACIÓN ESPAÑOLA DE FAMILIAS DE PERSONAS SORDAS

EXCELENCIA EUROPEA 300+ Puntos EFQM

FOMENTANDO INCLUSIÓN. APOYANDO PERSONAS. AVANZANDO SOLIDARIAMENTE.

THE SPANISH CONFEDERATION OF FAMILIES OF DEAF PEOPLE (FIAPAS)

PROMOTING INCLUSION, SUPPORTING PEOPLE, ADVANCING TOGETHER.

Pantoja, 5 (Local) - 28002 Madrid
Tel.: 91 576 51 49 - Fax: 91 576 57 46
Telesor Service
fiapas@fiapas.es - www.fiapas.es

Available at http://librafiapas.es

Legal Deposit: M-33222-2018 © FIAPAS 2018

The confederated entities in FIAPAS offer answers to the needs of families with deaf children

ANDALUSIA
(AUTONOMOUS COMMUNITY OF)

FAPAS (ANDALUSIAN FEDERATION OF FAMILIES OF DEAF PEOPLE)
Avda. de Hytasa, 12-3ª Plta. Oficina 305
41006 Seville
Tel.: 95 409 52 73

ASPASA-ALMERIA
Carrera Limoneros, 15
04006 Almeria
Tel.-Fax: 950 24 47 90

ASPAS-CORDOBA
Pza. de la Magdalena, 3
14002 Cordoba
Tel.: 957 76 48 68
Fax: 957 43 73 82

ASPRODES-GRANADA
Alcalá de Henares, 10- Local-Bajo
18008 Granada
Tel.-Fax: 958 22 20 82

ASPRODESORDOS-HUELVA
Pº de las Palmeras, 23
Portal A-B Piso 1º A Izda.
21002 Huelva
Tel.-Fax: 959 26 22 90

AFAIS-JAEN
Pintor Zabaleta, 7 sótano Izda.
23008 Jaen
Tel.: 953 08 84 82

ASPANSOR-MALAGA
Altozano, 13-Bajo
29013 Malaga
Tel.-Fax: 95 265 17 31

ASPAS-SEVILLE
Pedro Pecador, Bq. 14
2 ACC. A-B
41006 Seville
Tel.-Fax: 95 493 28 24

ARAGON
(AUTONOMOUS COMMUNITY OF)

FAAPAS (ARAGONESE FEDERATION OF ASSOCIATIONS OF PARENTS, AFFECTED PERSONS AND FRIENDS OF THE DEAF)
Ramón J. Sender, 9 Posterior
22005 Huesca
Tel.-Fax: 974 22 77 83

"SAN FRANCISCO DE SALES" ASSOCIATION OF DEAF PEOPLE OF HUESCA
Ramón J. Sender, 9 Post.
22005 Huesca
Tel.-Fax: 974 22 77 83

ATPANSOR-TERUEL
Yagüe de Salas, 16-3ª Plta.
44001 Teruel
Tel.-Fax: 978 61 03 23

ASPANSOR-ZARAGOZA
Vasconia, 6-Ppal. Izda.
50006 Zaragoza
Tel.-Fax: 976 25 50 00

ASTURIAS
(PRINCIPALITY OF)

APADA-ASTURIAS
Centro Social de Otero
Parque Ave María, s/n
33008 Oviedo (Asturias)
Tel.-Fax: 98 522 88 61

BALEARIC ISLANDS
(AUTONOMOUS COMMUNITY OF)

FUNDACIÓN ASPAS
Ramón Nadal, 4-Bajos
07010 Palma de Mallorca (Mallorca)
Tel.: 971 45 81 50
Fax: 971 28 07 86

CANARY ISLANDS
(AUTONOMOUS COMMUNITY OF)

FUNCASOR TENERIFE
Ctra. Gral. La Laguna-Punta Hidalgo, Km. 8.1
38280 Tegueste (S/C Tenerife)
Tel.: 922 54 40 52
Fax: 922 54 69 76

HEADQUARTERS IN LAS PALMAS
Centro Fátima
Antonio Machado Viglietti, 1
39005 Las Palmas de Gran Canaria (Gran Canaria)
Tel.-Fax: 928 23 32 89

CASTILE-LA MANCHA
(AUTONOMOUS COMMUNITY OF)

FASPAS (FEDERATION OF ASSOCIATIONS OF PARENTS AND FRIENDS OF DEAF PEOPLE OF CASTILE-LA MANCHA)
Avda. General Villalba, s/n
Pabellón 4
45003 Toledo
Tel.: 925 71 33 56
691 40 12 43
Fax: 925 22 62 40

ASPAS-ALBACETE
Doctor Fleming, 12-3rd Plta.
02004 Albacete
Tel.: 967 55 89 12
Fax: 967 55 89 23

ASPAS-CIUDAD REAL
Residencial Ronda, Bq. 6
Semisótano
13004 Ciudad Real
Tel.: 926 22 00 95
Tel.-Fax: 926 22 85 58

ASPAS-CUENCA
Parque San Julián, 10. Bajo (Centro CELEO)
16001 Cuenca
Tel.: 608 393 099

APANDAGU-GUADALAJARA
Centro San José
Atienza, 4
19003 Guadalajara
Tel.: 949 22 14 49
655 670 327

APANDAPT-TOLEDO
Avda. General Villalba, s/n
Pabellón 4
45003 Toledo
Tel.: 925 22 46 93
Fax: 925 22 62 40

CASTILE-LEON
(AUTONOMOUS COMMUNITY OF)

ARANS-BUR-BURGOS
Centro Mª Cristina
Fuente Lugarejos, 5
09001 Burgos
Tel.: 947 46 05 40
Fax: 947 46 11 30

ASFAS-LEON
(Edificio Juzgados)
La sierra, s/n
24193 Villaquilambre (León)
Tel. 665 66 55 25

ASPAS-SALAMANCA
Barco, 20-Bajo
(Barrio de La Vega)
37008 Salamanca
Tel.-Fax: 923 21 55 09

ASPAS-VALLADOLID
Ecuador, 17-Local
47014 Valladolid
Tel.-Fax: 983 39 53 08

CATALONIA
(AUTONOMOUS COMMUNITY OF)

FEDERACIÓN ACAPPS (FEDERATION OF CATALAN ASSOCIATIONS OF PARENTS AND DEAF PEOPLE)
Providència, 42-4º-2ª
08024 Barcelona
Tel.: 93 210 86 27
Tel.-Fax: 93 210 55 30

ACAPPS-BARCELONA
Providència, 42-4º-2ª
08024 Barcelona
Tel.-Fax: 93 210 55 30

ACAPPS-LLEIDA
Afores-Camí de Vilasana, 10
25230 Mollerussa (Lérida)
Tel.: 685 801 973

VALENCIAN COMMUNITY

HELIX-C.V. (FEDERATION OF ASSOCIATIONS FOR THE INTEGRATION OF DEAF PEOPLE IN THE VALENCIAN COMMUNITY)
Barón de Cárcer, 48-11º B
46001 Valencia
Tel.: 96 391 94 63

APANAH-ELDA
Casa La Farola
Avda. Reina Victoria, 5
03600 Elda (Alicante)
Tel.: 96 698 22 49
Tel.-Fax: 96 698 07 14

APANAS-ASPE
Avda. de la Constitución, 42-44
03680 Aspe (Alicante)
Tel.-Fax-DTS: 96 549 00 77

ASPAS-CASTELLÓN
Figueroles, 8-Bajo
(Esq. c/ Lepanto)
12006 Castellón
Tel.: 964 05 66 44
Tel.-Fax: 964 05 66 45

ASPAS-VALENCIA
Portal de Valldigna, 5-2ª
46003 Valencia
Tel.: 96 392 59 48
Fax: 96 392 31 26

EXTREMADURA
(AUTONOMOUS COMMUNITY OF)

FEDAPAS (EXTREMADURA FEDERATION OF THE HEARING IMPAIRED, PARENTS AND FRIENDS OF DEAF PEOPLE)
Antonio Hernández Gil, s/n
06800 Mérida (Badajoz)
Tel.: 924 30 14 30
Tel.-Fax: 924 31 50 63

ADABA-BADAJOZ
Avda. José María Alcaraz y Alenda, s/n-Pasaje
06011 Badajoz
Tel.: 924 24 26 26
Tel.-Fax: 924 24 56 29

ASCAPAS-PLASENCIA
Avda. Dolores Ibárruri, 51-53 Local
10600 Plasencia (Cáceres)
Tel.-Fax: 927 41 35 04

GALICIA
(AUTONOMOUS COMMUNITY OF)

ACOPROS-LA CORUÑA
Petunias, 5, Bajo Comercial Dcha.-Izq.
15008 La Coruña
Tel.: 881 91 40 78
Fax: 981 29 51 04

MADRID
(COMMUNITY OF)

ASOCIACIÓN ENTENDER Y HABLAR-MADRID
Pez Austral, 15-Bajo C
28007 Madrid
Tel.-Fax: 91 574 76 71

ASPAS-MADRID
Elvira, 17-Local,
C/V León Bonnat
28028 Madrid
Tel.: 91 725 07 45
628 466 873
Fax: 91 726 63 86

MURCIA
(REGION OF)

FASEN-MURCIA (FEDERATION OF ASSOCIATIONS OF FAMILIES OF DEAF PEOPLE FROM THE REGION OF MURCIA)
Ronda el Ferrol, 6
30203 Cartagena (Murcia)
Tel.: 968 52 37 52
669 43 30 07
Fax: 968 12 37 10

ASPANPAL-MURCIA
Navegante Juan Fernández, 3
30007 Murcia
Tel.: 968 24 83 92
Fax: 968 20 11 59

APANDA-CARTAGENA
Ronda El Ferrol, 6
30203 Cartagena (Murcia)
Tel.: 968 52 37 52
Fax: 968 12 37 10

NAVARRE
(AUTONOMOUS COMMUNITY OF)

EUNATE-NAVARRA
Travesia Monasterio de Irache, 2-1ºB
31011 Pamplona (Navarre)
Tel.-Fax: 948 26 18 77

BASQUE COUNTRY
(AUTONOMOUS COMMUNITY OF THE)

ASPASOR-ÁLAVA
Aragón, 11-Bajo
01003 Vitoria-Gasteiz (Álava)
Tel.-Fax: 945 28 73 92

CEUTA
(AUTONOMOUS CITY OF)

ACEPAS-CEUTA
Miramar Bajo, 5-Local 2
51002 Ceuta
Tel.-Fax: 956 50 50 55

Early diagnosis and treatment of unilateral or asymmetrical hearing loss in children

FIAPAS

MANAGEMENT OF UNILATERAL OR ASYMMETRIC HEARING LOSS

DEFINITION

Unilateral hearing loss (UHL) is defined as the presence of hearing loss in one of the two ears as long as the threshold is greater than 25 dB at all frequencies.

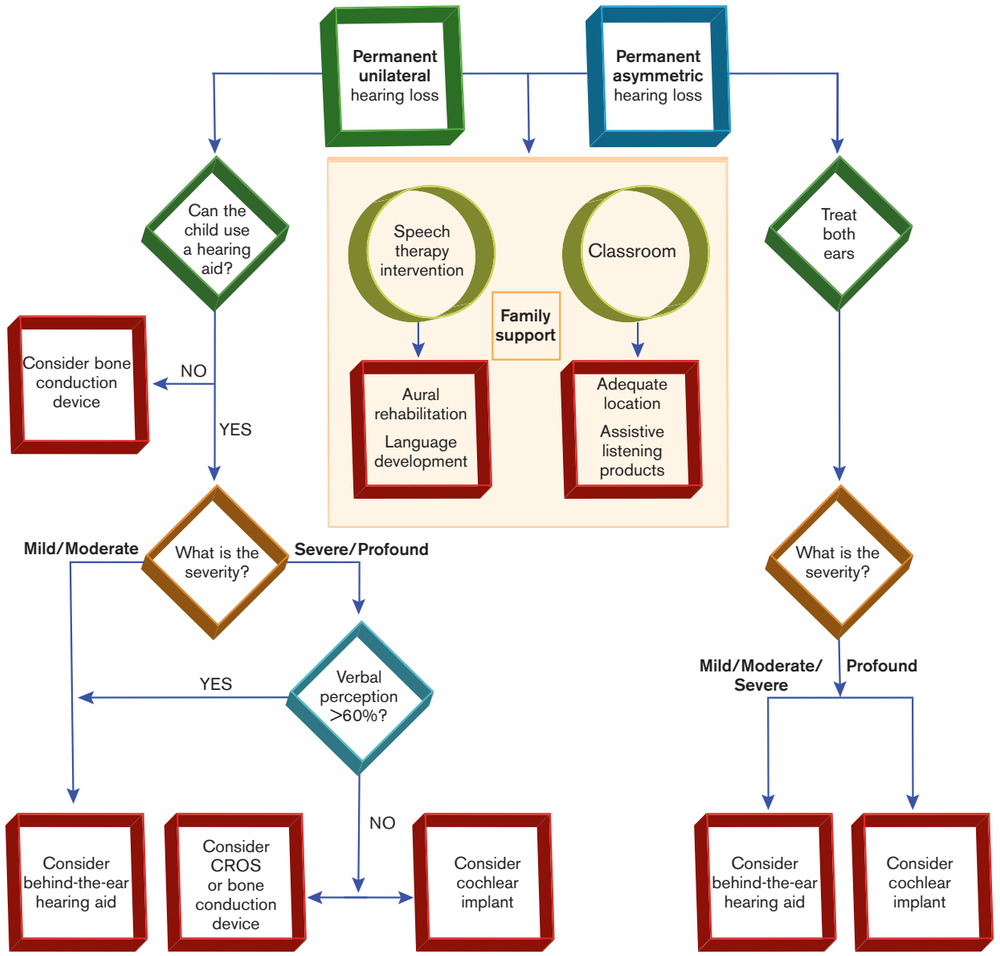
Asymmetric hearing loss (AHL) refers to bilateral hearing loss with auditory thresholds of 25 dB or higher in the best ear at all frequencies. There is a significant difference between the thresholds of both ears.

PREVALENCE

- The incidence of UHL is estimated to be 1 per 1000 newborns, increasing its prevalence with age due to delayed onset and acquired cases.
- One third of cases of hearing loss in children corresponds to UHL.
- Up to 3-6% of school-age children have UHL to varying degrees.
- Ten percent of children with UHL will develop bilateral, asymmetric or non-asymmetric hearing loss over time.

AETIOLOGICAL DIAGNOSIS

- Magnetic resonance imaging is the most important test to determine the cause of UHL, since cochlear nerve disorders are common.
- Congenital cytomegalovirus infection should be ruled out.
- Genetic studies are also of interest in determining the cause of hearing loss.



More information can be found at:
CODEPEH (Núñez et. al) (2017): "Early diagnosis and treatment of unilateral or asymmetric hearing loss in children: 2017 CODEPEH recommendations". FIAPAS Magazine, October-December 2017, no. 163, Special Supplement (2nd ed.). Madrid, FIAPAS 2018

COURSE

- UHL with auditory remnants and AHL usually have a progressive or fluctuating course.
- The occurrence of hearing loss is usually congenital in 42% of unilateral and 22% of asymmetric cases.
- If not congenital, most develop before the age of 10.

IMPACT

In children with these hearing losses, the following can be observed:

- Difficulty locating sound and recognising speech, especially in noisy environments.
- Difficulty in social, behavioural, and/or emotional interaction.
- Poorer academic performance and lower language skills, with poorer language.
- Impaired balance. To maintain postural control they rely more on vision.
- Permanent brain reorganisation during the development period, which will determine treatment and its outcomes.

All of the above may worsen the quality of life of the child and his/her family. Therefore, the child should be followed up by ORL and various support measures (audiological, logistic, educational, family, etc.) should be adopted.

* The content of this brochure is merely informational. *Lex artis* must at all times align with the most up-to-date knowledge through the study of the scientific literature and be adapted to the context of each child.