www.eurordis.org



Evaluating health information on the Internet

EURORDIS Online Training

David OZIEL EURORDIS

Part 1 A complex definition for quality

• The definition of the term

• The specificity of health information

• The different actors

The definition of quality

- Content
- Original documents
- Up-to-date information
- Website organization
- Design
- Accessibility
- Search Engine Optimization
- Transparency
-
- Quality of a website / Quality of an information

The specificity of Internet health information

Internet unregulated

Different levels of information

• Sensitivity of health information

Different actors

• Websites

• Search engines

• Internet users

Initiatives for a better quality

Catalogues

- Information selected, organized, updated
- MedlinePlus (National Library of Medicine)

Guidelines

- Quality criteria
- Trust it or Trash it



Quality labels

- Health On the Net (HON)





Part 2 HONCode (from Health On the Net)

Quality labels

- + 100 rating tools
 - Internet Health Coalition
 - Discern
 - Medcertain
 - Netscoring
 - HON
 - ...

HONCode

• Health On the Net

- Swiss foundation
- 1996

• 8 000 health websites

• Eight principles



Authority

Indicate the qualifications of the authors

Who develops and reviews the content on Genetics Home Reference?

Genetics Home Reference is developed by a <u>Staff</u> that includes genetic counselors, biologists, and computer and information scientists. <u>Expert Reviewers</u> perform a comprehensive review of each condition, gene, gene family, and chromosome summary before it is posted to Genetics Home Reference, and with each substantial revision thereafter. Experts for Genetics Home Reference do not review gene information that was extracted automatically from online scientific databases. The date of the last comprehensive review is noted in each summary.

Complementarity

Information should support, not replace, the doctor-

patient relationship



Genetics Home Reference provides consumer-friendly information about the effects of genetic variations on human health.

The resources on this site should not be used as a substitute for professional medical care or advice. Users seeking information about a personal genetic disease, syndrome, or condition should consult with a qualified healthcare professional. See <u>How can I find a genetics</u>

Privacy

Respect the privacy and confidentiality of personal

data submitted to the site by the visitor



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Attribution

Cite the source(s) of published information and its date

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Justifiability

Any information on a specific treatment will be supported by the source of information

Where can I find information about diagnosis, management, or treatment of Fabry disease?

These resources address the diagnosis or management of Fabry disease and may include treatment providers.

- <u>Gene Review: Fabry Disease</u> 🗈
- <u>Gene Tests: Fabry Disease</u> 🕩

Transparency

Possibility to contact the webmaster for more complete information



Financial disclosure

Provide details on funding

Who sponsors Genetics Home Reference?

Genetics Home Reference is a service of the U.S. National Library of Medicine, part of the National Institutes of Health, an agency of the Department of Health and Human Services.

There is no advertising on this site, nor does Genetics Home Reference endorse any company or product.

Advertising policy

Clearly distinguish advertising from editorial content

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Published: August 8, 2011

Lister Hill National Center for Biomedical Communications (*) U.S. National Library of Medicine (*), National Institutes of Health Department of Health & Human Services (*), USA.gov (*)

 $\underline{Freedom of Information Act} \Rightarrow \underline{Copyright} \Rightarrow \underline{Privacy} \Rightarrow \underline{Accessibility} \Rightarrow$

Indicates a page outside Genetics Home Reference.
 Links to web sites outside the Federal Government do not constitute an endorsement.
 See <u>Selection Criteria for Web Links</u>.
 PDF resources may require a <u>PDF reader</u>.

HON CERTIFIED CODE

This site complies with the <u>HON code standard</u> for trustworthy health information: <u>verify here</u>.

Limitations of HONCode

- Content not evaluated
- Ever-changing electronic documents

Quality seals vs user's critical judgment

- Educated consumers
- A set of quality criteria

Part 3 Some quality guidelines for Internet health information

Who runs the website ?





Muckle-Wells syndrome 🕣 🔍 rarediseases.info.nih.gov/GARD/.../MuckleWells_syndrome.aspx - Cached A US Department of Health and Human Service project providing information on ...

Marfan Syndrome 🖅 🔍

www.kumc.edu/gec/support/marfan.html - Cached

Marfan Syndrome information and resources, links to national and international support groups, clinics with genetic counselors and geneticists.

Who pays for the website ?



Funding

The Geneskin project and this website are funded by the European Commission (<u>DG Research</u> - <u>http://www.cordis.europa.eu.int</u> - grant No LSHM-CT-2005-512117)



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How is the information documented ?



Rare Disease Communities ^{beta}		DE <u>EN </u> ES FR IT Sign in Register 4
Epidermolysis E	Bullosa community	Search this community
what?	meet!	learn.
learn to live with the disease	discuss with other patients	information and resources

Epidermolysis Bullosa (EB) is a group of rare, inherited disorders that affects skin and mucous membranes. The clinical picture ranges from mild to severe. Below, you'll find testimonies from patients who live with this genetic disease.



recurrent blister formation as the result of structural fragility within the skin and selected other tissues. All types and subtypes of EB are rare; the overall incidence and prevalence of the disease within the United States are approximately 1/53,000 live births and 1/125 000,



What are the qualifications of the authors ?

	of Osteoge tkin, MD, FAAP; Chief I					🖰 Print	
Overview	Presentation	DDx	Workup	Treatment	Medication Author	Follow-up	
					Horacio Plo University of Horacio Plotk Pediatrics an	Nebraska School of Medicine	
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Osteogenesis in (DI), and, in adult	nesis Imperfecta ir Iperfecta (OI) is a group Iyears, hearing loss. enetic Counseling			ractures with minimal	l or absent trauma, der	ntinogenesis imp <mark>erfecto</mark>	All (14) Free Full Text (8) Review (2)
_	atment of osteogen	esis impe	rfecta: current	concepts.			2 free full-text articles in Put Central Review Syndromes with congenital
	diatr. 2008 Feb;20(1):52- 139 [PubMed - indexed fi						[BMC] The effects of intravenous pamidron: bone tissue of children and ad [J Clin
Reliability of	the gross motor fun	ction meas	ure for children	with osteogenesi	is imperfecta.		

A DOUT OF THE READ OF THE LOCATED DEVELOPMENT OF

How is the information reviewed ?

Medscape Drugs, Diseases & Procedures

Reference 🔻 Search Me

BROWSE BY SPECIALTY

Allergy and Immunology	Genomic Medicine	Pathology
Anatomy	Hematology	Perioperative Care
Cardiology	Infectious Diseases	Physical Medicine and Rehabilitation
Clinical Procedures	Medical Devices	Psychiatry
Critical Care	Nephrology	Pulmonology
Dermatology	Neurology	Radiology
Emergency Medicine	Obstetrics/Gynecology	Rheumatology
Endocrinology	Oncology	Sports Medicine
Gastroenterology		
Surgery		
Clinical Procedures	Orthopedic Surgery	Transplantation
General Surgery	Otolaryngology and Fadial Plastic Surgery	Trauma
Medical Devices	Plastic Surgery	Urology
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Allergy and Immunology	Sort: Alphabetically by Section	Medscape Reference 'Instant Lookup' is now
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Benign Neoplasms	Acquired Angioedema	
Bullous Diseases	 Allergic Contact Dermatitis 	ADVERTISEMENT Industry Spotlig
	= Angioedema	
Connective Tissue Diseases	 Atopic Dermatitis 	VCOM PROFESSION
Cosmetics	Atopic Dermatitis in Emergency Medicine	
	 Bruton Agammaglobulinemia 	Explore the
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	Acrodermatitis Chronica Atrophicans	Jeffrey Meffert, MD

How is the information updated ?



Last Updated: November 26, 2010

Be cautious with hyperlinks



Accessibility

W3C[®] Web Accessibility initiative

WAI: Strategies, guidelines, resources to make the Web accessible to people with disabilities

W3C Home

Web Accessibility Initiative (WAI) Home

Getting Started

Designing for Inclusion

Guidelines & Techniques

Planning & Implementing

Evaluating Accessibility

Presentations & Tutorials

Getting Involved with WAI

Discover new resources for people with disabilities, policy makers, managers, and you!

aβE本有印6 Translations

"The power of the Web is in its universality. Access by everyone regardless of disability is an essential aspect."

-- Tim Berners-Lee W3C Director and

Web Accessibility Initiative (WAI)

Highlights

For Review: ATAG 2.0 and Implementing ATAG 2.0 Working Drafts

Authoring Tool Accessibility Guidelines <u>(ATAG) 2.0</u> is relevant to you if you use tools to produce web content — tools such as blogs, wikis, social networking websites, content management systems (CMS), HTML editors, or <u>others</u>. ATAG defines how these tools should help you make your blog posts, websites, and other web content accessible — and how the tools themselves should be accessible so that people with disabilities can use them. See:

<u>Call for Review: ATAG 2.0 Updated Working Drafts</u> e-mail,

Authoring Tool Accessibility Guidelines (ATAG) Overview.

Please send comments by 15 September 2011. (2011-July-21)

For Review: UAAG 2.0 and Implementing UAAG 2.0 Working Drafts

WAI has published updated Working Drafts of <u>User Agent Accessibility</u> <u>Guidelines (UAAG) 2.0</u> and <u>Implementing UAAG 2.0</u>. UAAG defines how browsers, media players, and other "user agents" should support accessibility for people with disabilities and work with assistive technologies. Updates in this draft include: organization of the principles, focus behaviour and indication, and requirements for media.

WAI develops...

- guidelines widely regarded as the international standard for Web accessibility
- support materials to help understand and implement Web accessibility
- resources, through international collaboration

WAI welcomes...

- participation from around the world
- volunteers to review, implement, and promote guidelines
- dedicated participants in working groups

Announcements

- Open position: <u>Web Accessibility</u> Engineer
- Follow WAI on Twitter or identi.ca

Events, Meetings, Presentations

- At <u>HighEdWeb</u> in Austin, TX, USA, on 24 October 2011: Keynote with <u>Shawn</u>
- At <u>W3C TPAC</u> in Santa Clara, CA, USA, between 31 October - 4 November 2011:
 - AUWG (Authoring Tool Accessibility Guidelines Working Group) Meeting:

Other criteria

Information

- Complete, exhaustive
- Readable
- Useful

Websites

- Organization
- Search engine optimization
- Design

Users'critical judgment