

WP 1: Selection and Asbru Modeling of Reference Protocols

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Content

- Task Overview => Goals
- Selection Criteria: A Proposal
 - Features
 - Organizational Issues
- Resources/Links
- Protocols under Consideration
- Selection Process
 - ➔ Decision: 2 Reference Protocols
- Next Steps

Workpackage number :	WP1	Start date or starting event:	month 0
Participant number:	2	1	4
Person-months per participant:	2	0.5	0.5

Objectives

Selection and Asbru modelling of reference protocols.

Description of work

The work will consist in selecting two real-life reference protocols that cover a wide variety of characteristics and modelling them in Asbru. In this workpackage, it is crucial to ensure that the chosen protocols are representative of different kinds of protocols.

Deliverables

D1.

Milestones⁸ and expected result

The milestone will be the medical protocols to be used as reference in the rest of the project.

The main result will be the Asbru models corresponding to the reference protocols chosen.

Selection Criteria

- Features to be Modeled
 - = Representation Requirements
 - ➔ WP 1
 - Properties to be Verified
 - KIV - Functionality/Features
 - Asbru in KIV
- ➔ WP 2, 3, 4

Representation Requirements

(1/3)

- Hierarchical Decomposition
- Knowledge Rich Control Structure
- Temporal Dimension
- Context

Representation Requirements

(2/3)

- Hierarchical Decomposition
- Knowledge Rich Control Structure
 - Compulsory and Optional Plans
 - Temporal Order: Plan Layout
 - Conditions
 - Beginning and End
 - During
 - Intentions
 - Effects
 - Preferences and Resources

Representation Requirements

(3/3)

- Temporal Dimensions
 - Duration: Continuous
 - Plans/Actions, States, Effects
 - Temporal Uncertainty
 - Occurrence of Plans/Actions, States, Effects
 - Various Time Granularities
 - Relative/Absolute Reference Points
- Context

“general condition in which an event, action, etc. takes place”

→ **Temporal Data Abstraction**

Organizational Issues

- Reference Protocol Available
 - Domain Expert Available
 - Additional Resources: Data for Simulation
-
- Protocols in Asbru
 - ONE Protocol:
Covers Classes of Asbru's Features
 - “Diversity Management”

Select 2 Reference Protocols

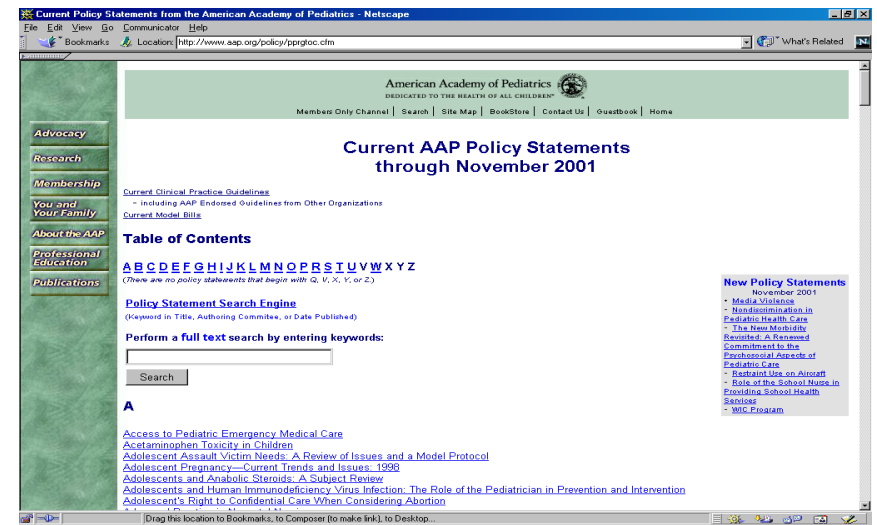
Useful Links

<http://www.ifs.tuwien.ac.at/asgaard/asbru/#Links>

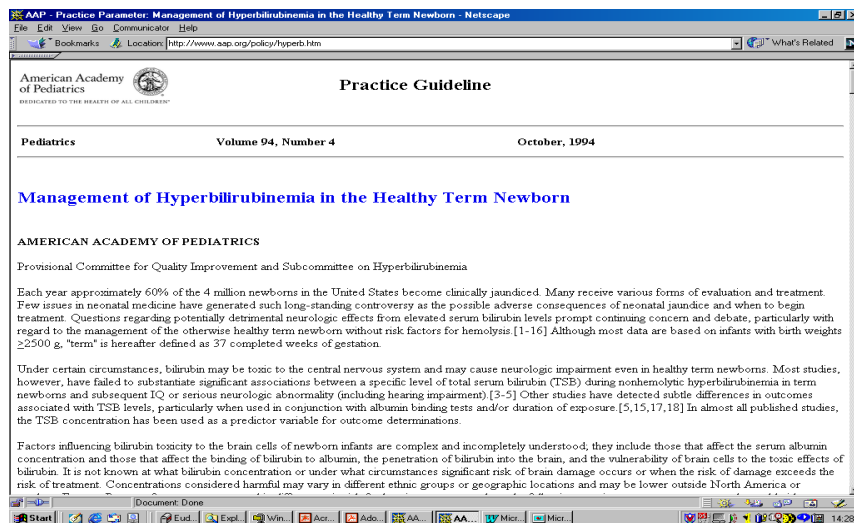
Useful Links

- Guidelines and Protocols
 - [American Academy of Pediatrics \(AAP\)](#)
 - [Arbeitsgemeinschaft der Wissenschaftlichen Medizinischen Fachgesellschaften \(AWMF\)](#) - in German
 - [Agency for Health Care Policy and Research \(AHCPR\)](#)
 - [Scottish Intercollegiate Guidelines Network \(SIGN\)](#)
 - [Pointers to Some Guidelines](#) from Samson Tu
- Healthcare Informatics Standards
 - [Overview](#)

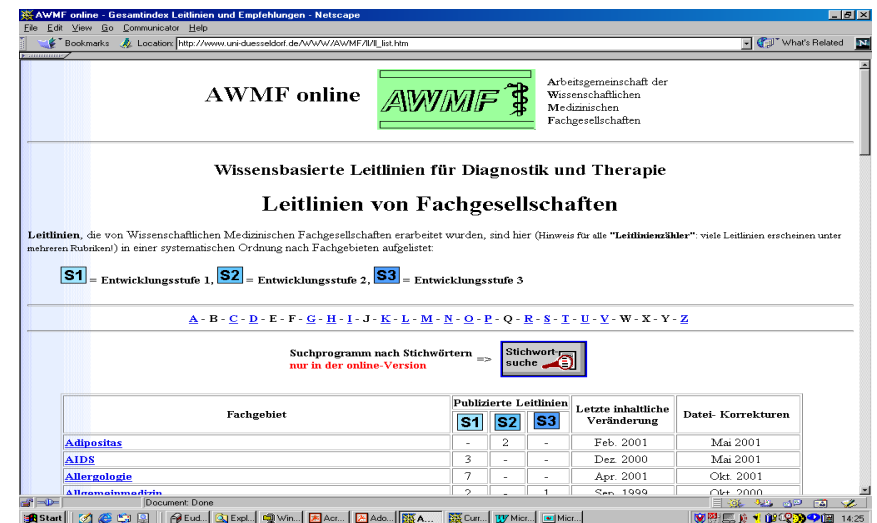
American Academy of Pediatrics (AAP)



Jaundice



Arbeitsgemeinschaft der Wissenschaftlichen Medizinischen Fachgesellschaften (AWMF)



<http://www.sign.ac.uk/>



SIGN
Scottish Intercollegiate Guidelines Network

Applications invited for Chairman of SIGN

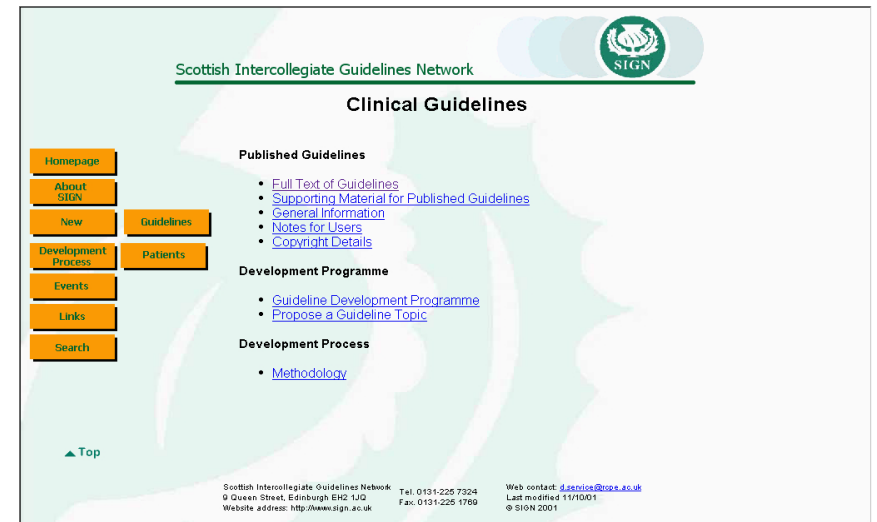
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Scottish Intercollegiate Guidelines Network
9 Queen Street, Edinburgh EH2 1JQ
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Web contact: d.service@sign.ac.uk
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Scottish Intercollegiate Guidelines Network

Clinical Guidelines

Published Guidelines

- Full Text of Guidelines
- Supporting Material for Published Guidelines
- General Information
- Notes for Users
- Copyright Details

Development Programme

- Guideline Development Programme
- Propose a Guideline Topic

Development Process

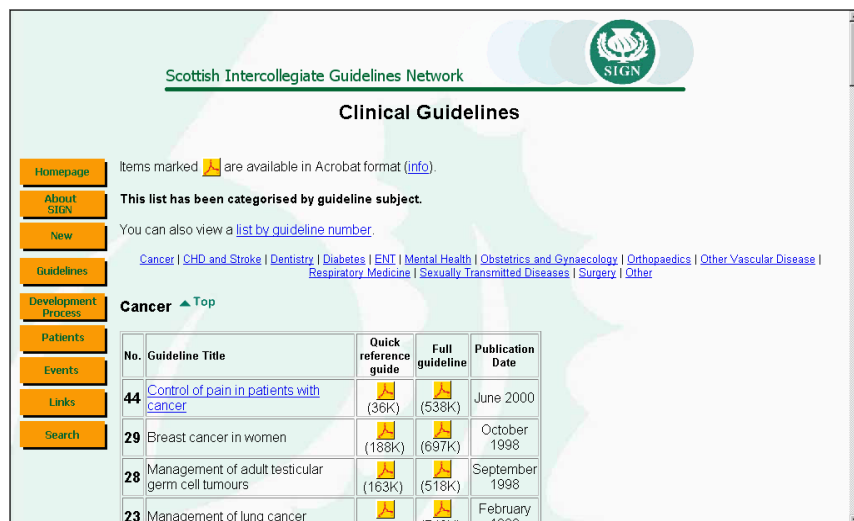
- Methodology

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Clinical Guidelines

Items marked are available in Acrobat format ([info](#)).

This list has been categorised by guideline subject.

You can also view a [list by guideline number](#).

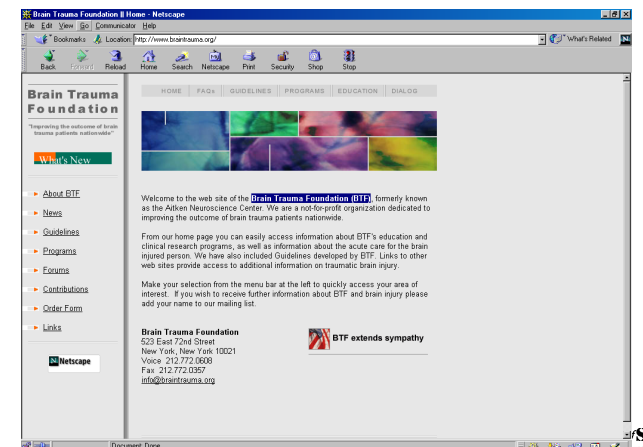
[Cancer](#) | [CHD and Stroke](#) | [Dentistry](#) | [Diabetes](#) | [ENT](#) | [Mental Health](#) | [Obstetrics and Gynaecology](#) | [Orthopaedics](#) | [Other Vascular Disease](#) | [Respiratory Medicine](#) | [Sexually Transmitted Diseases](#) | [Surgery](#) | [Other](#)

Cancer ▲ Top

No.	Guideline Title	Quick reference guide	Full guideline	Publication Date
44	Control of pain in patients with cancer	(36K)	(539K)	June 2000
29	Breast cancer in women	(188K)	(697K)	October 1998
28	Management of adult testicular germ cell tumours	(163K)	(518K)	September 1998
23	Management of lung cancer	(174K)	(749K)	February 1998

Brain Trauma Foundation (BTF)

• <http://www.braintrauma.org>



Brain Trauma Foundation

Improving the outcome of brain trauma patients nationwide

Welcome to the web site of the **Brain Trauma Foundation (BTF)**, formerly known as the **Atkins Neuroscience Center**. We are a not-for-profit organization dedicated to improving the outcome of brain trauma patients nationwide.

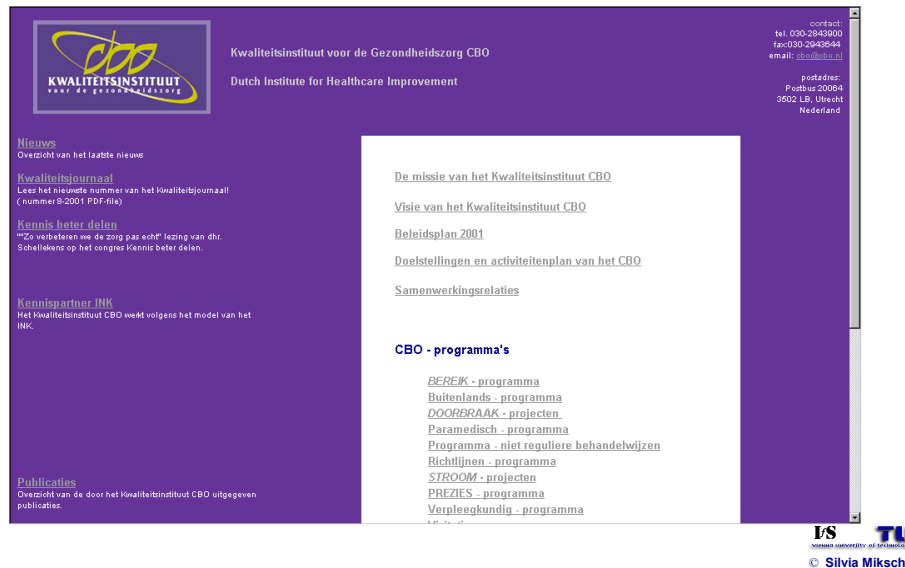
From our home page you can easily access information about BTF's education and clinical research programs, as well as information about the acute care for the brain injured person. We have also included Guidelines developed by BTF. Links to other web sites provide access to additional information on traumatic brain injury.

Make your selection from the menu bar at the left to quickly access your area of interest. If you wish to receive further information about BTF and brain injury please add your name to our mailing list.

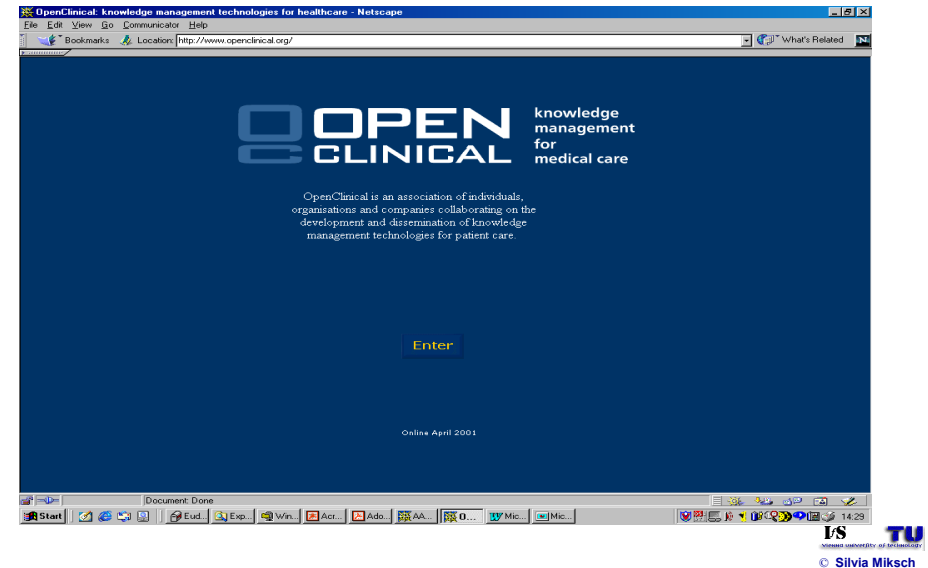
Brain Trauma Foundation
523 East 72nd Street
New York, New York 10021
Voice: 212.772.0608
Fax: 212.772.0857
info@braintrauma.org

BTF extends sympathy

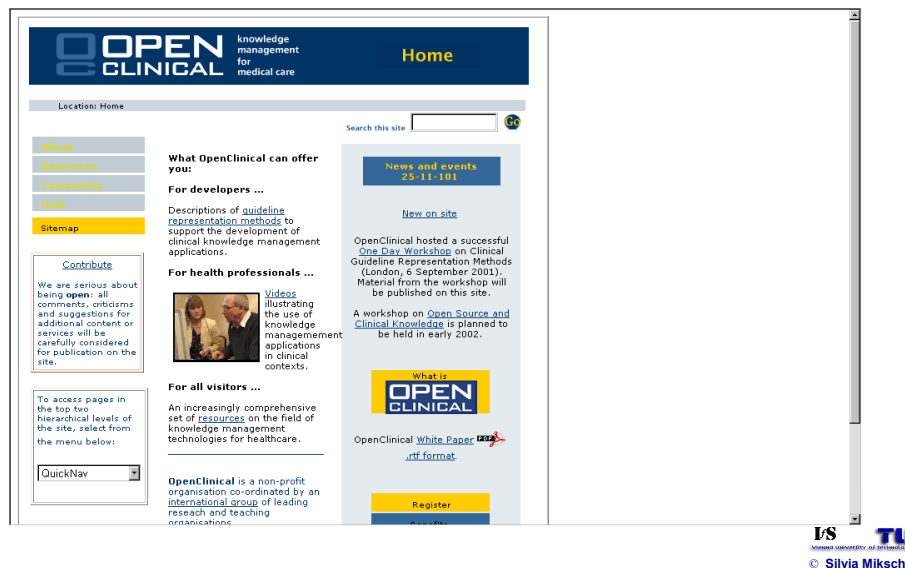
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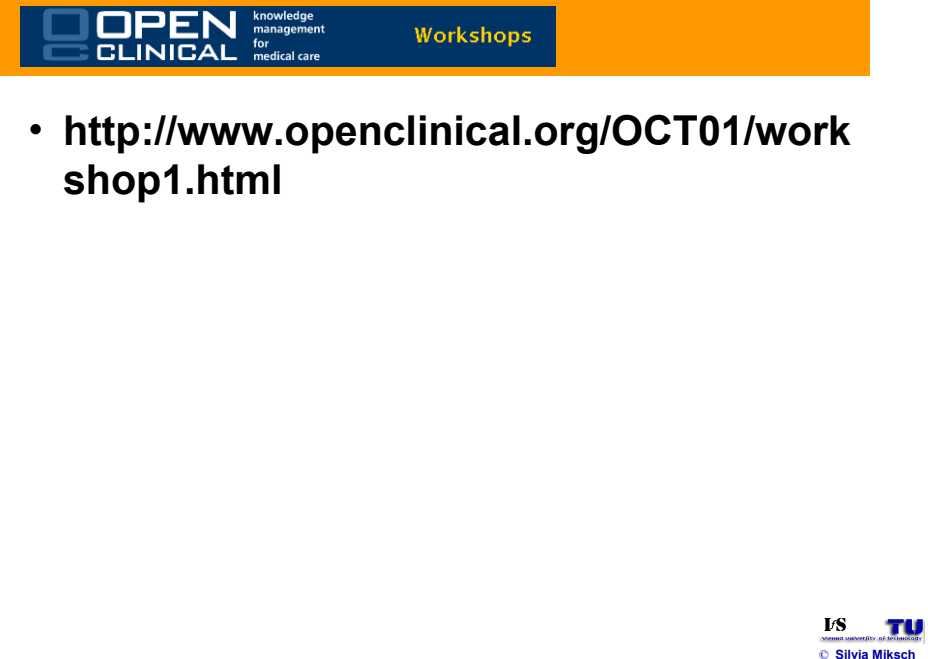
<http://www.openclinical.org>



<http://www.openclinical.org>



- <http://www.openclinical.org/OCT01/workshop1.html>



Protocols under Consideration

- Jaundice
- Diabetes
- Artificial Ventilation
- Acute Asthma
- Brain Trauma
- Oncology

Categories

- Yes
- Moderate
- Little
- No

Representation Requirements (2/3)

- Hierarchical Decomposition
- Knowledge Rich Control Structure
 - Compulsory and Optional Plans
 - Temporal Order: Plan Layout
 - Conditions
 - Intentions
 - Preferences and Resources
 - Effects
- Temporal Dimensions
- Context
- Temporal Abstraction

Comparison Categories (1/2)

- Categories

Comparison Categories (1/2)

Categories	Jaundice	Diabetes	Asthma	Brain Trauma		
Hierarchical Decomposition	yes	yes	yes	yes		
Knowledge Rich Control Structure						
Compulsory and Optional Plans	yes	yes	yes	yes		
Temporal Order: Plan Layout	yes	yes	yes	yes		
Conditions	moderate	moderate	moderate	moderate		
Intentions	no	no	no	no		
Preferences and Resources	no	no	no	no		
Effects	no	no	little	moderate		
Temporal Dimensions	little	moderate	moderate	moderate		
Temporal Abstraction, Context	yes	yes	moderate	moderate		
Effort Modeling in Asbru	zero	zero	high	high	zero/low/medium/high	
Effort Modeling in KIV	medium	high	high	high	zero/low/medium/high	
Quality of Protocols	medium	high	high	high	zero/low/medium/high	
Evidenced-Based (y/n)	no	no	yes	yes		
Indicators -> Actions, States, %	no	no	?	?		
Type of Protocols (<name>)	non-spec.	GP	spec, GP	?		
Guideline(G)-Standard(S)-Protocol(P)	S	S	G	G		
Practice Parameter(USA) = Standard						
Finding Evidence-Based Protocols						
www.TRIPdatabase.org						
www.google.com						

Next Steps

D1	* Selection Categories
	* 2 Ref. Protocols
	- Textversion
	- in Asbru
missing	medical part
	input: Kitty, Joyce, Peter
Silvia	- proposal of content
	- tell everybody what I need