


Cost reduction in the guidelines development process by the use of online tools

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Guidelines projects by the Division of Evidence based Medicine (dEBM)

German Guidelines Project

- Treatment of pathologic scars 2011
- Staphylococci skin infections 2011
- Akne vulgaris 2010
- Psoriasis vulgaris 2007 + Update 2011
- HPV-Vaccination 2008

EU S3-Leitlinien:

- Psoriasis vulgaris 2009
- Akne vulgaris 2011

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Challenges from the past....
....solutions for the future!

..we hardly never get through with all the
recommendations during consensus conferences...



Consensus conference / Challenges

- usually necessary to finalise recommendations
- 1-2 day meeting with high cost and time consuming
- often not all recommendations can be finalised during the consensus conference (- 20% unfinished)
- lack of flexibility / rescheduling very difficult
- Delphi – process is very time consuming and does not allow for direct discussion

Solution: Online conferences

- prior to meeting
- instead of meeting
- after the meeting

Solution: Online communication

- criteria:
 - screen sharing
 - transmission of voice
 - chat
 - voting tool
 - no software-download necessary
 - low / no costs
 - sufficient number of participants allowed
- non systematic search for suitable tools using Google

Identified tools

- all allow screen sharing / audio-transmission

	Chat	No software download	cost	# participants
Adobe Connect	✓	✓	Free if institution has subscription, individual prices	max. 600
Netviewer	✓	✓	47,48€/month or 426,97€/year	max. 100
WebDialogs Unyte for Skype	✗	Skype- Installation and account	free	max. 25
GoTo Meeting	✓	✗	39€/month or 372€/year	max. 15

Date: 11/2010

Adobe® Connect™

Options

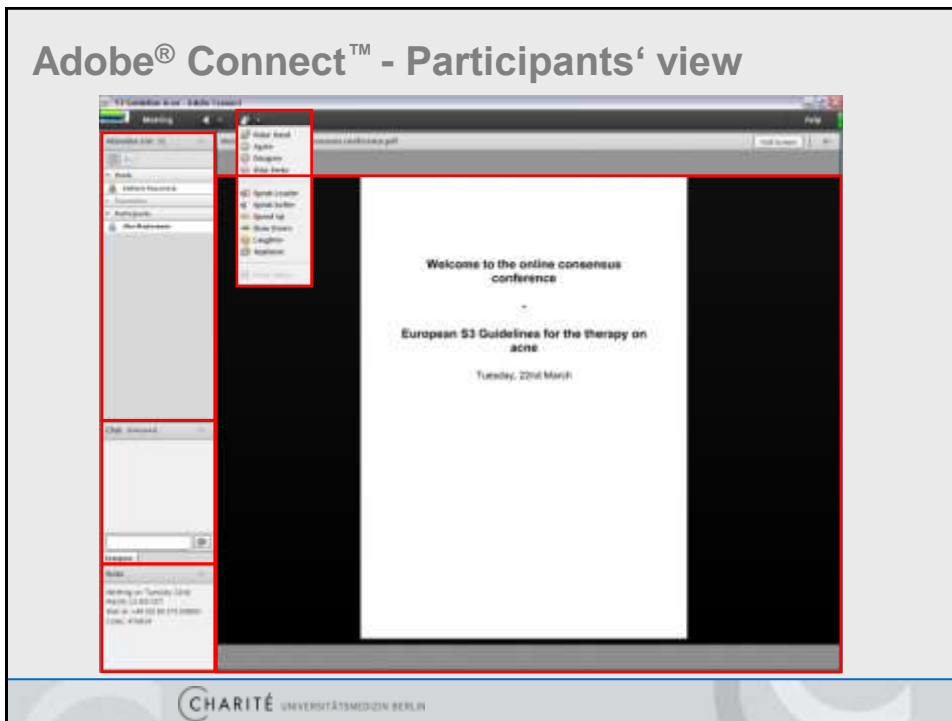
- Audio/video conferences
- Screen Sharing (documents / tables etc)
- Powerpoint presentations and other documents can be made assessable as background information
- Chat
- Polling (voting - tool)
- Recording of discussions possible

Technical requirement

- Browser including Flash Plugin (Win, MacOS, Linux)
- Headset / loudspeaker / microphone
- Web cam, if video should be transmitted

Telephone conference

- Necessary audio equipment not available for most participants
- use of telephone conference
 - simple set-up and dial-inn using a code
 - German Telekom: 12,5 Cent / minute charged to organiser
 - participant pay regular fees for their call



Online communication

Advantages:

- can be well structured
- very useful for preparing consensus conferences or finalising open recommendations
- no time loss due to travelling
- easy scheduling
- cost reduction

Disadvantages:

- limited interactive discussion
- no personal interaction between participants possible
- risk of technical problems
- method may not comply with requirements of national guidelines program (i.e. nominal group process)
- feasibility limited with respect to number of participants

Ideal for initialisation, preparation of consensus meetings and finalising unfinished agenda,
maybe an option for a complete consensus conference

Avallability for you!

Adobe® Connect™ - most suitable tool


- www.adobe.com/products/adebeconnect.html
 - anual plan: 45US\$ / month
 - Pay-Per-Use Plan: 0.32US\$ / Minute / TN

or

- cooperation with us (ww.debm.de)

Online Open Review

Review process

- within expert group
 - extern
 - by issuing medical association
 - means to ensure good quality
- 
- challenges
 - Documentation and handling of comments
 - Redundant comments
 - Transparency

Online Open Review

- criteria:
 - PDF can be uploaded and made visible
 - comments visible for all participants
 - comment can be inserted directly into the document at corresponding position
 - multiple participants can access at the same time
 - simple handling
 - anonymous or personalised commenting
 - low / no costs
 - option for transparent processing / answering to comments
- non systematic search for suitable tools using Google

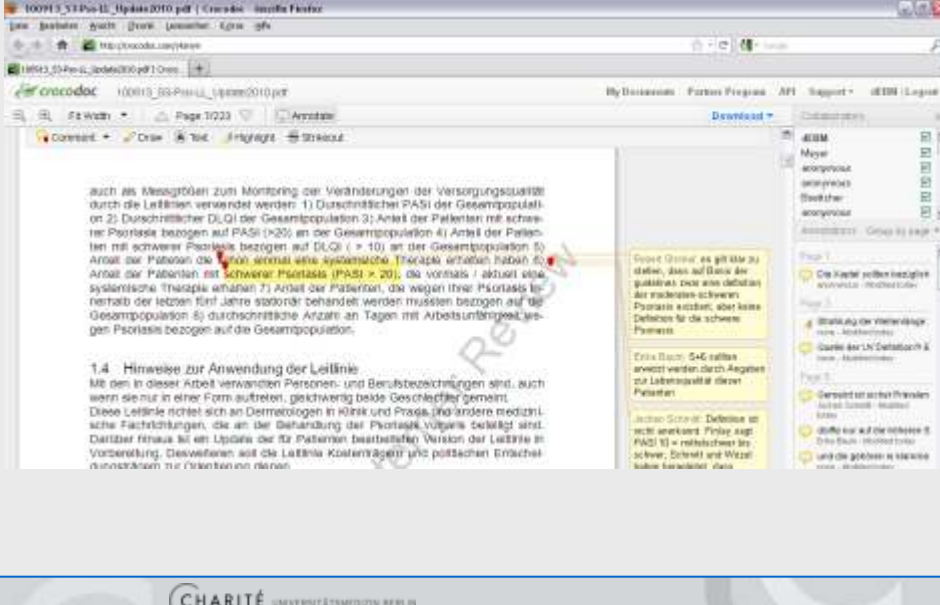
Comparison of identified tools

- all tools support
 - Texts can be read and commented on in parallel by several participants.
 - Comments are visible to all participants
 - Comments can be anchored directly into the text
 - no software installation necessary

	Access	Answer function to comments	Cost
crocodoc	Anonymous or with name	✓	None
annotate	Anonymous or with name	✗	Free for up to 100 pages / month
PDFVue	Anonymous or with name	✓	Free for up to 2MB

Stand: 11/2010

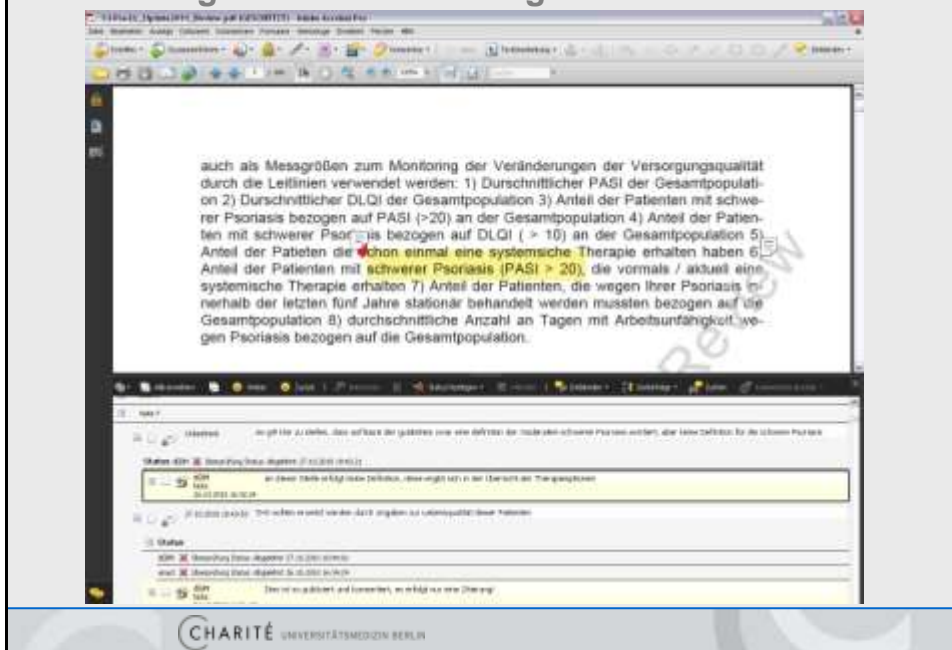
Crocodoc



The screenshot displays the Crocodoc web application interface. The main window shows a PDF document titled "100913_51-Psoriid_Uptake2010.pdf" with several yellow annotations. A sidebar on the right lists users and their roles, including "Meyer", "König", "Schmidt", and "König". The interface includes navigation controls like "Page 1/223" and "Annotate".

1.4 Hinweise zur Anwendung der Leitlinie
 Mit den in dieser Arbeit verwandten Personen- und Berufsbezeichnungen sind, auch wenn sie nur in einer Form auftreten, gleichwertig beide Geschlechter gemeint. Diese Leitlinie richtet sich an Dermatologen in Klinik und Praxis, und andere medizinische Fachrichtungen, die an der Behandlung der Psoriasis vulgaris beteiligt sind. Darüber hinaus ist ein Update der 12 Patienten befristeten Version der Leitlinie in Vorbereitung. Deswegen soll die Leitlinie kostenneutral und politischer Erwerb einstränken zur Orientierung dienen.

Processing of comments using Adobe Acrobat Pro



Online Open Review

Advantages:

- concentration of comments in one document
- avoidance of redundancies
- high transparency
- easy and good documentation
- Avoidance of errata
- low costs
- time efficient

Disadvantages:

- risk of technical difficulties
- possible technical barriers
- some people may be excluded (older patients/older physicians)

Summary

- Online tools can facilitate guidelines development process and reduce costs
- For preparation / finalising consensus conferences or even for the actual consensus conference Adobe Connect + telephone conference have proven very useful
www.adobe.com/products/adobeconnect.html
- For reviewing commenting crocodoc has strongly facilitated the process (www.crocodoc.com)
- Future perspective: Tools for entire guidelines development process.

Thank you very much...

...and see you in Berlin next year!