

# Building up the „Virtual Library in Medicine“ in Germany

Ulrich Korwitz

German National Library of Medicine

<http://www.zbmed.de>

# Results of the User Study about demand for medical information

- Users need a lot of information for scientific work and for patient care. But they have no time to spend up hours for information and literature research. They ask for **simple search strategies and one main access point** where they can find all the information they need.
- The medical library must act as medical information and literature portal: Users expect a **simple and free access to databases, multimedia products and full texts as well as to evaluated Internet links and congress information.**



## Initiative „Foundation of the Virtual Library in Medicine“

- German Research Foundation granted a two-year project to ZBMed
- 1 physician and 1 computer expert
- 80.000 Euro for software licences



# MedPilot

<http://www.medpilot.de>

- Virtual Library collecting catalogues of several libraries, bibliographic, factual and hyperlink databases
- Simple search menu (Google-like)
- „One-Search“ facility: quick and reliable
- Includes availability search and document ordering facility (also a link to subito) as well as pay-per-view options



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Publication Year:  to:

Languages:

Document Type:

Hits per database :  Timeout (sec.) :

Standard selection

Databases:

- All Databases
- Medline
  - Medline Alert
  - CCMed
  - Cancerlit
  - Toxline
  - Springer Publisher Database
  - Kluwer Publisher Database
  - Gerolit
  - Euroethics
  - Catalogue: ZBMed Medicine
  - Catalogue: ZBMed Nutrition/Envir...
  - Catalogue: Deutsche Zahnärztebib...
  - Catalogue: NLM
  - Hyperlink Database ZBMed
  - German Ministry of Health News
  - Federal Institutes of Health News
  - AnimAlt-Zebet
  - EZB Regensburg (Online-Journals)
  - Lehmanns Online Bookshop
  - CCRIS (Toxicology)
  - Gene-Tox
  - CIVS
  - EMBASE

Free Text = crohn?

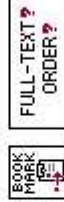
Hits:	
<a href="#">Medline</a>	18626
<a href="#">Medline Alert</a>	248
<a href="#">CCMed</a>	2
<a href="#">Cancerlit</a>	2969
<a href="#">Catalogue: ZBMed</a>	0
<a href="#">Nutrition/Environment</a>	0
<a href="#">Catalogue: Deutsche Zahnärztebibliothek</a>	0
<a href="#">Catalogue: NLM</a>	185
<a href="#">Hyperlink Database ZBMed</a>	1
<a href="#">Springer Publisher Database</a>	250
<a href="#">Kluwer Publisher Database</a>	109
<a href="#">Lehmanns Online Bookshop</a>	29
<a href="#">EZB Regensburg (Online-Journals)</a>	0
<a href="#">Gerolit</a>	3
<a href="#">CCRIS (Toxicology)</a>	0
<a href="#">Gene-Tox</a>	0
<a href="#">CMS</a>	0
<a href="#">Thieme-Verlagsdatenbank</a>	64
<a href="#">EMBASE</a>	17212
<b>Total :</b>	<b>39698</b>

Database : [Kluwer Publisher Database](#) Hits : 109  
**Already retrieved:** [1-10] [[>](#)]



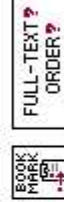
1. [Heterogeneity of HPLC Profiles of Human Class II MHC-Bound Peptides Isolated from Intestine with Inflammatory Bowel Disease](#)  
**Oshitani N; Hato F; Jinno Y; Sawa Y; Hara J; Nakamura S; Matsumoto T; Arakawa T; Kitano A; Kitagawa S; Kuroki T**  
 2002

[Digestive Diseases and Sciences](#); 47; 9; 2088-2094; 2002  
*Studies of the T-cell-receptor repertoire and oligoclonal expansion of lamina propria T cells in patients with Crohn's disease suggest restricted antigen processing in this disease. We examined HPLC elution profiles of HLA-DR-bound peptides iso...*



2. [Seroreactivities Against Saccharomyces cerevisiae and Mycobacterium avium subsp. paratuberculosis p35 and p36 Antigens in Crohn's Disease Patients](#)  
**Shafiq I; Piromalli C; Decker JW; Sandoval J; Naser SA; El-Zaatari FAK**  
 2002

[Digestive Diseases and Sciences](#); 47; 9; 2079-2081; 2002  
*Crohn's disease (CD) is an idiopathic chronic inflammatory bowel disease (IBD). Accurate diagnosis of the disease is of great clinical importance to assess its prognosis and success of therapy. Recent studies have validated and confirmed the po...*



3. [Unilateral retinal vasculitis, branch retinal artery occlusion and subsequent retinal neovascularization in Crohn's disease](#)  
**Saatci OA; Kocak N; Durak I; Ergin MH**  
 2001  
*International Ophthalmology*; 24; 2; 89-92; 2001  
*Purpose: To report on a case of Crohn's disease and unilateral retinal vasculitis, branch retinal artery occlusion and subsequent retinal neovascularization. Methods: We examined a 38-year-old*



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**Free Text = crohn?**

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<u>Cancerlit</u>	2969
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<u>Catalogue: Deutsche Zahnärztebibliothek</u>	0
<u>Catalogue: NLM</u>	185
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<u>Springer Publisher Database</u>	250
<u>Kluwer Publisher Database</u>	109
<u>Lehmanns Online Bookshop</u>	29
<u>EZB Regensburg (Online-Journals)</u>	0
<u>Gerolit</u>	3
<u>CCRIS (Toxicology)</u>	0
<u>Gene-Tox</u>	0

2002

Digestive Diseases and Sciences; 47; 3; 495-502; 200203

Many studies have indicated changes in neuropeptides in inflammatory bowel disease (IBD), but with contradictory results. Nerve growth factor also has a potential role in the maintenance of enteric nerves and may be associated with IBD. A quant...

10. The Glucose Breath Test: A Diagnostic Test for Small Bowel Stricture (s) in Crohn's Disease

**Mishkin D; Boston FM; Blank D; Yalovsky M; Mishkin S**

2002

Digestive Diseases and Sciences; 47; 3; 489-494; 200203

The aim of this study was to determine whether an indirect noninvasive indicator of proximal bacterial overgrowth, the glucose breath test, was of diagnostic value in inflammatory bowel disease. Twenty four of 71 Crohn's disease patients tested...

Database : [Lehmanns Online Bookshop](#) Hits : 29**Already retrieved:** [1-10] [[>](#)]

1. Colitis ulcerosa, Morbus Crohn

**Stange, Eduard F.**

1999

UNI-MED, Bremen

[http://www.lbb.de/cgi-bin/work/outputexpert?mode=viewone&titl=...](http://www.lbb.de/cgi-bin/work/outputexpert?mode=viewone&titl=)44.80 EURO; **sofort lieferbar**FULL-TEXT ?  
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Database : Hits from all databases Hits : 39698

Already retrieved: [1-10] [11-20] [21-30] [31-40] [41-50] [...] [ > ] [ >> ]

1. A case of acute pancreatitis associated with Crohn's disease  
**Papanikolaou IS; Liatsos C; Dourakis SS; Mavrogiannis C**  
2002  
Annals of Saudi Medicine; 22(1-2 (70-72); 2002  
in EMBASE

2. The many layers of immunity  
**Martens S**



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## Availability Search

Catalogue: ZBMed Medicine

**Annals of Saudi medicine**, 1985 Leihstatus : ---; Bände vorhanden

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<a href="#">Medline</a>	18626
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<a href="#">Catalogue: ZBMed Nutrition/Environment</a>	0
<a href="#">Catalogue: Deutsche Zahnärztbibliothek</a>	0
<a href="#">Catalogue: NLM</a>	185
<a href="#">Hyperlink Database ZBMed</a>	1
<a href="#">Springer Publisher Database</a>	250
<a href="#">Kluwer Publisher Database</a>	109
<a href="#">Lehmanns Online Bookshop</a>	29
<a href="#">EZB Regensburg (Online-Journals)</a>	0
<a href="#">Gerolit</a>	3
<a href="#">CCRIS (Toxicology)</a>	0
<a href="#">Gene-Tox</a>	0
<a href="#">CVS</a>	0

## Availability Search

[Lehmanns Online Bookshop](#)

**Morbus Crohn, Colitis ulcerosa**, Tecker, Georg 2000 14.90 EURO; **sofort lieferbar** Darmerkrankungen aus ganzheitlicher Sicht;



**sofort lieferbar, 14.90 EURO**

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## Catalogue: ZBMed Medicine

**Surgical endoscopy and other interventional techniques, 1987** Leihstatus : ---

Call-Number: Zs.A 2214

Status : ---

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## Free Online-Fulltext-Documents

**Current attitudes in laparoscopic colorectal surgery.** Mavrantonis C; Wexner SD; Noguera JJ; Weiss EG; Potenti F; Pikarsky AJ 2002  
 Background: In this study, we set out to examine the current attitudes among surgeons toward laparoscopic colorectal surgery (LCS). Methods: A total of 3628 questionnaires were sent to all North American members of the Society of American Gastrointestinal Endoscopic Surgeons (SAGES) and the American Society of Colon and Rectal Surgeons (ASCRS); 40% of the members of each society responded (B15 respondents). Results: Currently, 85% of the respondents perform laparoscopic surgery; LCS was performed by 48% of the respondents in 21% of their patients. Although 35% of the members of SAGES have increased the number of laparoscopic colorectal operations they perform in the last 3 years, only 26% of ASCRS members did so. Our findings showed that 74% of the surgeons who perform LCS do so for diverticular disease, 68% for colonic polyps, 61% for villous adenoma, and 36% for ileal Crohn's disease. However, only 15% operate for the cure of carcinoma of any stage (16% of SAGES members and 11% of ASCRS members), whereas 8.5% and 7% operate for the cure of all upper and lower rectal carcinomas, respectively. Thirty-six percent of the surgeons who perform LCS for cancer have done between one and 10 curative resections, 8% have done 11-20 procedures, and 14% have done >20 procedures. There were 80 cases of port site recurrence reported by 4.4% of surgeons. Although 56% of the respondents would themselves undergo laparoscopic colorectal surgery for a rectal villous adenoma, only 9% would do so for a distal-third rectal carcinoma (12% of SAGES and 5% of ASCRS respondents). Conclusions: The overall percentage of respondents performing LCS has decreased over the last 3 years; moreover, surgeons are more hesitant to perform laparoscopic surgery for the cure of colonic cancer. Due to the overall low response rate, the fact that 4.4% of those surgeons who did respond have seen port site recurrences does not allow any conclusions to be drawn about the prevalence of this problem.

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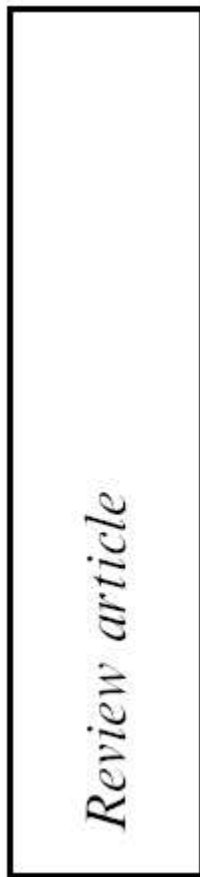
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*Review article*

Surg Endosc (2002) 16: 1152–1157  
DOI: 10.1007/s004640080072

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*and Other Interventional Techniques*

## Current attitudes in laparoscopic colorectal surgery

C. Mavrantonis, S. D. Wexner, J. J. Noguerras, E. G. Weiss, F. Potenti, A. J. Pikarsky

Department of Colorectal Surgery, Cleveland Clinic Florida, 3000 West Cypress Creek Road, Fort Lauderdale, FL 33309, USA

Received: 15 June 2000/Accepted in final form: 15 November 2000/Online publication: 20 May 2002

### Abstract

**Background:** In this study, we set out to examine the current attitudes among surgeons toward laparoscopic colorectal surgery (LCS).

**Methods:** A total of 3628 questionnaires were sent to all North American members of the Society of American Gastrointestinal Endoscopic Surgeons (SAGES) and the American Society of Colon and Rectal Surgeons (ASCRS); 40% of the members of each society responded (B15 respondents).

**Results:** Currently, 85% of the respondents perform laparoscopic surgerv: LCS was performed by 48% of the

the overall low response rate, the fact that 4.4% of those surgeons who did respond have seen port site recurrences does not allow any conclusions to be drawn about the prevalence of this problem.

**Key words:** Laparoscopy — Colorectal surgery — Colorectal cancer — Recurrence — Malignancy — Port site recurrence — American Society of Colon and Rectal Surgeons — Society of American Gastrointestinal Endoscopic Surgeons

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Hits :

<a href="#">Medline</a>	16695
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<a href="#">Toxline</a>	2387
<a href="#">Catalogue: ZBMed Medicine</a>	23
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<a href="#">Kluwer Publisher Database</a>	55
<a href="#">Lehmanns Online Bookshop</a>	11
<a href="#">AnimAlt-Zebet</a>	0
<a href="#">EZB Regensburg (Online-Journals)</a>	0

### 10. [Pregnancy associated pelvic pain. I: Prevalence and risk factors](#)

**Larsen EC; Wilken-Jensen C; Hansen A; Jensen DV; Johansen S; Minck H; Wormslev M; Davidsen M; Hansen TM**  
 2000

Ugeskr Laeger; VOL 162, ISS 36, 2000, P4808-12

*With this study, we wanted to determine the incidence of symptom-giving pelvic girdle relaxation during pregnancy and the prevalence post partum, identify predisposing factors, and determine the frequency of sick leave. A total of 1600 pregnant...*



Database : [Catalogue: ZBMed Medicine](#) Hits : 23

Already retrieved: [1-10] [[>](#)]

1. [Visceral pain](#)  
 1995  
*Leihstatus : for order; Signatur : 1996 A 3346; übergeordneter Titel vorhanden*
2. [Das Training sozialer Fertigkeiten im Alter](#)  
 1986  
*Leihstatus : for order; Signatur : 1988 B 1311; übergeordneter Titel vorhanden*
3. [Special issue on gynaecology & obstetrics](#)  
 1994  
*Leihstatus : ---; übergeordneter Titel vorhanden*
4. [Behandlung des viszeralen Abdominalschmerzes durch Nervenblockade](#)  
**Renck, Hans**  
 1993  
*Leihstatus : for order; Signatur : 1994 A 1225;*

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<a href="#">Toxline</a>	2387
<a href="#">Catalogue: ZBMed Medicine</a>	23
<a href="#">Catalogue: ZBMed Nutrition/Environment</a>	0
<a href="#">Catalogue: Deutsche Zahnärztebibliothek</a>	0
<a href="#">Catalogue: NLM</a>	249
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<a href="#">Federal Institutes of Health News</a>	0
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### Catalogue: ZBMed Medicine

<b>Title</b>	Non acute abdominal complaints
<b>Subtitle</b>	Diagnostic studies in general practice and outpatient clinic
<b>Author</b>	Muris, Jean; Starmans, Richard
<b>Publishing Year</b>	1993
<b>Form of Appearance</b>	m
<b>Release Type</b>	u
<b>ISBN</b>	90-5170-237-X
<b>Signature</b>	1995 A 4711
<b>MeSH</b>	<b>Abdominal Pain</b> - etiology; <b>Abdominal Pain</b> - diagnosis; <b>Abdominal Pain</b> - therapy; Family Practice
<b>Language</b>	en
<b>Composer</b>	Jean Muris ; Richard Starmans
<b>Publishing Country</b>	NL
<b>Publisher</b>	Thesis Publ.
<b>Place of Publication</b>	Amsterdam
<b>Coverage</b>	VIII, 213 S.
<b>Ph. D. Thesis /Habilitation</b>	Zugl.: Maastricht, Univ., Diss. 1993



Internet Explorer browser interface showing the address bar with the URL <http://www.medpilot.de/jsp/avapage.jsp> and a toolbar with icons for navigation and utility.

## Availability Search

### Catalogue: ZBMed Medicine

**Non acute abdominal complaints**, Muris, Jean 1993 Leihstatus : bestellbar, Signatur : 1995 A 4711;

Place : Ausleihe / Bücher-Magazin Call-Number: 1995 A 4711

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Exemplare	Vormerkung	Gesamttitel	Neue Suche
Bestellung	Bestellung	Einzelbände	in Medienliste
		Ausgabe	

<< << >> >> >

**Treffer: 1/1 Signatur:** 1995 A 4711 **Status:** andere Zweigstelle (frei)



Standort: Bücher-Magazin Entleihen bis: -.-.-.-

**Signatur** : 1995 A 4711  
**Name** : Muris, Jean  
**Name** : Starmans, Richard  
**Titel** : Non acute abdominal complaints  
**Untertitel** : Diagnostic studies in general practice and outpatient clinic  
**Verfasserangabe** : Jean Muris ; Richard Starmans  
**Verlagsort** : Amsterdam  
**Verlag** : Thesis Publ.  
**ISBN** : 90-5170-237-X  
**Erschein.-Jahr** : 1993  
**Umfangsgangabe** : VIII, 213 S.  
**Diss/Habil.-Ang.** : Zugl.: Maastricht, Univ., Diss. 1993  
**MeSH-Schlagwort** : Abdominal Pain - etiology  
**MeSH-Schlagwort** : Abdominal Pain - diagnosis

Pain - therapy;

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<a href="#">Cancerlit</a>	2684
<a href="#">Toxline</a>	13565
<a href="#">Catalogue: ZBMed Medicine</a>	865
<a href="#">Catalogue: ZBMed</a>	12
<a href="#">Nutrition/Environment</a>	0
<a href="#">Catalogue: Deutsche Zahnärztebibliothek</a>	2960
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<a href="#">Federal Institutes of Health News</a>	137
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1. Internationale Konferenz zu DNA-Impfstoffen am Paul-Ehrlich- Institut Pressedienst des Paul-Ehrlich Instituts ...  
*DNA-Impfstoffe als moegliche Waffe im Kampf gegen Krankheiten wie AIDS oder Malaria sind das Thema einer internationalen Konferenz, die von Mittwoch, 6. Oktober, bis Freitag, 8. Oktober, im Paul-Ehrlich-Institut in Langen stattfindet. Unter dem...*

Database : [Hyperlink Database ZBMed](#) Hits : 3  
**Already retrieved:** [1-3]

1. [American Academy of Allergy, Asthma & Immunology](#)  
<http://www.aaaai.org/>  
*Patienteninformationen und individuelle Beratung. Ressourcen für medizinische Professionen. Aktuelles aus und für Presse, Funk und Fernsehen*
2. [World Allergy Organization \(IAACI\)](#)  
<http://www.worldallergy.org/>  
*Globales Informationsnetzwerk zu allen Fragen über Allergie und Asthma für Ärzte und Patienten*
3. [American Academy of Allergy, Asthma & Immunology](#)  
<http://www.aaaai.org/>  
*Patienteninformationen und individuelle Beratung. Ressourcen für medizinische Professionen. Aktuelles aus und für Presse, Funk und Fernsehen*

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<a href="#">Catalogue: Deutsche Zahnärztebibliothek</a>	0
<a href="#">Catalogue: NLM</a>	2960
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[Hyperlink Database ZBMed](#)

<b>Title</b>	American Academy of Allergy, Asthma & Immunology
<b>Subject</b>	W 19 ; WD 308
<b>Description</b>	Patienteninformationen und individuelle Beratung. Ressourcen für medizinische Professionen. Aktuelles aus und für Presse, Funk und Fernsehen
<b>Source</b>	<a href="http://www.aaaai.org/">http://www.aaaai.org/</a>
<b>Database</b>	Hyperlink Database ZBMed

## Title List

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**Catalogue: ZBMed Medicine** (Creation date: 15.09.2002)

<b>Title</b>	Non acute abdominal complaints
<b>Author</b>	Muris, Jean
<b>Description</b>	Leihstatus : for order; Signatur : 1995 A 4711;
<b>Date</b>	1993
<b>Resource Type</b>	Buch/Zeitschrift
<b>Resource Identifier</b>	332405
<b>Call number</b>	332405
<b>Signature</b>	1995 A 4711
<b>Database</b>	Catalogue: ZBMed Medicine

**Hyperlink Database ZBMed** (Creation date: 15.09.2002)

<b>Title</b>	American Academy of Allergy, Asthma & Immunology
<b>Subject</b>	WJ 19 ; WD 308
<b>Description</b>	Patienteninformationen und individuelle Beratung. Ressourcen für medizinische Professionen. Aktuelles aus und für Presse, Funk und Fernsehen
<b>Source</b>	<a href="http://www.aaaai.org/">http://www.aaaai.org/</a>
<b>Database</b>	Hyperlink Database ZBMed



## MedPilot

<http://www.medpilot.de>

- Future developments:
  - Alerting service and delivery of individualized information packages
  - Subportals for a lot of medical specialities
  - E-Commerce for payment
  - Linguistic sophistication of retrieval procedures
- Periodic user-surveys and a „Board of Users“