

WEBLEM: 2

National Center for Biotechnology Information (NCBI)

(URL: <https://www.ncbi.nlm.nih.gov/>)

AIM:

To explore literature databases and collect information on “Scoliosis”

Introduction:

The National Center for Biotechnology Information (NCBI) was created in 1988 as a division of the National Library of Medicine (NLM) at the National Institutes of Health, to develop information systems in the field of molecular biology and bioinformatics. The literature tools developed as a part of NCBI are extensive and thorough as we will see in this weblem.

The query chosen for this Weblem is Scoliosis. Scoliosis is a sideways curvature of the spine that most often is diagnosed in adolescents. This affects about 3 percent of the population, majorly in ages from 10 to 15 and in both genders equally.

Methodology:

1. Open Homepage of NCBI database (<https://www.ncbi.nlm.nih.gov/>)
2. Enter search query of Alzheimer’s disease by Entrez search.
3. Interpret the results by and find the data needed.

Observations:

The screenshot shows the NCBI homepage. At the top, there is a navigation bar with 'NCBI', 'Resources', and 'How To'. A search bar is prominently displayed with a dropdown menu set to 'All Databases' and the search query 'Scoliosis'. A red box highlights the search bar area. Below the search bar, there is a 'COVID-19 Information' banner with links to public health, research, SARS-CoV-2 data, and prevention information. Further down, there is a 'UNITE' banner for ending structural racism. The main content area is divided into three columns: 'NCBI Home' with a resource list, 'Welcome to NCBI' with a description and links, and 'Popular Resources' with a list of tools like PubMed, Bookshelf, and BLAST.

Fig1: NCBI homepage with query “Scoliosis” in search bar

Search NCBI

Scoliosis



Search

Results found in 22 databases

Literature

Bookshelf	2,013
MeSH	12
NLM Catalog	396
PubMed	27,715
PubMed Central	30,266

Genes

Gene	156
GEO DataSets	109
GEO Profiles	0
HomoloGene	3
PopSet	0

Proteins

Conserved Domains	4
Identical Protein Groups	0
Protein	332
Protein Family Models	15
Structure	0

Fig2: Hit page of Entrez search

NCBI Resources How To

Bookshelf Books Scoliosis Search

Browse Titles Create alert Advanced Help

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

Previous versions or editions
Include in the search result

Publication date
1 year
5 years
10 years
Custom range...

Added to Bookshelf
60 days
1 year
5 years
Custom range...

Resource types
Report
Book

Display Settings: Summary, 20 per page, Sorted by Relevance

Send to:

Results: 1 to 20 of 156 books (2013 items)

<< First < Prev Page 1 of 8 Next > Last >>

- ☐ [GeneReviews® \[Internet\].](#)
Adam MP, Ardinger HH, Pagon RA, et al., editors.
Seattle (WA): University of Washington, Seattle; 1993-2021.
▶ [Top results in this book](#) [Table of Contents](#)
- ☐ [StatPearls \[Internet\].](#)
Treasure Island (FL): StatPearls Publishing; 2021 Jan-
▶ [Top results in this book](#) [Table of Contents](#)
- ☐ [Screening for Adolescent Idiopathic Scoliosis: A Systematic Evidence Review for the U.S. Preventive Services Task Force \[Internet\].](#)
Dunn J, Henrikson NB, Morrison CC, et al.
Rockville (MD): Agency for Healthcare Research and Quality (AHRQ); 2018. 1xx. (Evidence

Images search in Bookshelf

See more (14)...

Search details

Fig3: Hit page for query "Scoliosis" in Bookshelf resource.

NCBI Resources How To Sign in to NCBI

Bookshelf Books Scoliosis Search

Browse Titles Create alert Advanced Help

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

Display Settings: Summary, 20 per page, Sorted by Relevance Send to:

Results in this book: 1 to 20 of 278 << First < Prev Page 1 of 14 Next > Last >>

GeneReviews® [Internet].
Adam MP, Ardinger HH, Pagon RA, et al., editors.
Seattle (WA): University of Washington, Seattle; 1993-2021.
Scoliosis Search GeneReviews

[GeneReviews by Title](#) [GeneReviews Advanced Search](#) [Help](#)

☐ [Spondylocostal Dysostosis, Autosomal Recessive.](#)

1. Turnpenny PD, Sloman M, Dunwoodie S; ICVS (International Consortium for Vertebral Anomalies and Scoliosis). 2009 Aug 25 [Updated 2017 Dec 21].
Show details (20)

Images search in this book

Find related data
Database: Select

Fig4: Result page for query “Scoliosis” in Bookshelf Resource [Gene Reviews : Adam MP, Ardinger HH, Pagon RA, et al]

NCBI Resources How To Sign in to NCBI

Bookshelf Books Scoliosis Search

Browse Titles Create alert Advanced Help

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

Previous versions or editions Include in the search result

Display Settings: Summary, 20 per page, Sorted by Relevance Send to:

Results: 13 books (105 items)

Filters activated: published in the last 5 years, published in the last year. [Clear all](#) to show 2013 items.

☐ [GeneReviews® \[Internet\].](#)
1. Adam MP, Ardinger HH, Pagon RA, et al., editors.
Seattle (WA): University of Washington, Seattle; 1993-2021.
Top results in this book Table of Contents

☐ [StatPearls \[Internet\].](#)
2. Treasure Island (FL): StatPearls Publishing; 2021 Jan-.
Top results in this book Table of Contents

☐ [Childhood Cancer and Functional Impacts Across the Care Continuum.](#)

Publication date clear
1 year
✓ 5 years
10 years
Custom range...

Added to Bookshelf clear
60 days
✓ 1 year
5 years
Custom range...

Resource types
Report
Book

Images search in Bookshelf

See more (14)...

Search details

Fig5: Hit page of query “Scoliosis” in Bookshelf Resource with limit options enabled

NCBI Resources How To Sign in to NCBI

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

Books Home Help

Books Advanced Search Builder

Filters activated: published in the last 5 years, published in the last year. [Clear all](#)

Use the builder below to create your search

[Edit](#) [Clear](#)

Builder

All Fields [Show index list](#)

AND All Fields [Show index list](#)

Search or [Add to history](#)

History [Download history](#) [Clear history](#)

Search	Add to builder	Query	Items found	Time
#8	Add	Search Scoliosis Filters: published in the last 5 years; published in the last year	105	02:28:56
#6	Add	Search Scoliosis Filters: published in the last 5 years	814	02:28:52
#4	Add	Search Scoliosis Schema: oldbooks	2013	02:27:16
#3	Add	Search NBK1116[AccessionID] AND book[Type]	1	02:27:15
#1	Add	Search Scoliosis	2013	02:26:06

Fig6: Advanced Search building for Bookshelf resource

NCBI Resources How To Sign in to NCBI

MeSH

MeSH [Search](#)

[Create alert](#) [Limits](#) [Advanced](#) [Help](#)

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

Full 20 per page Send to: PubMed Search Builder

Search results

Items: 12

☐ **Scoliosis**

1. An appreciable lateral deviation in the normally straight vertical line of the spine. (Dorland, 27th ed)

PubMed search builder options

[Subheadings:](#)

<input type="checkbox"/> analysis	<input type="checkbox"/> enzymology	<input type="checkbox"/> pathology
<input type="checkbox"/> anatomy and histology	<input type="checkbox"/> epidemiology	<input type="checkbox"/> physiology
<input type="checkbox"/> blood	<input type="checkbox"/> ethnology	<input type="checkbox"/> physiopathology
<input type="checkbox"/> cerebrospinal fluid	<input type="checkbox"/> etiology	<input type="checkbox"/> prevention and control

[Add to search builder](#) [AND](#) [Search PubMed](#)

[Find related data](#)

Database: [Find items](#)

[YouTube Tutorial](#)

Fig7: Hit page in MeSH resource for query “Scoliosis”

NCBI Resources How To Sign in to NCBI

MeSH MeSH Scoliosis Search

Create alert Limits Advanced Help

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

Full 20 per page Send to:

Search results

Items: 12 Selected: 1

☒ **Scoliosis**

1. An appreciable lateral deviation in the normally straight vertical line of the spine. (Dorland, 27th ed)

PubMed search builder options

[Subheadings:](#)

<input type="checkbox"/> analysis	<input type="checkbox"/> enzymology	<input type="checkbox"/> pathology
<input type="checkbox"/> anatomy and histology	<input type="checkbox"/> epidemiology	<input type="checkbox"/> physiology
<input checked="" type="checkbox"/> blood	<input type="checkbox"/> ethnology	<input type="checkbox"/> physiopathology
<input type="checkbox"/> cerebrospinal fluid	<input checked="" type="checkbox"/> etiology	<input type="checkbox"/> prevention and control

PubMed Search Builder

("Scoliosis/blood"[Mesh] OR "Scoliosis/complications"[Mesh] OR "Scoliosis/diagnostic imaging"[Mesh] OR

Add to search builder AND Search PubMed

[YouTube Tutorial](#)

Find related data

Database: Select Find items

Fig8: MeSH resource page with search builder option added for query “Scoliosis”

NCBI Resources How To Sign in to NCBI

MeSH MeSH Scoliosis Search

Advanced Help

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

Limits

Search Field Tags

Field: MeSH Unique ID

Reset Search

You are here: NCBI > Literature > MeSH Database Support Center

GETTING STARTED NCBI Education NCBI Help Manual NCBI Handbook	RESOURCES Chemicals & Bioassays Data & Software DNA & RNA	POPULAR PubMed Bookshelf PubMed Central	FEATURED Genetic Testing Registry GenBank Reference Sequences	NCBI INFORMATION About NCBI Research at NCBI NCBI News & Blog
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Fig9: Limit Options page for MeSH resource with option applied

NCBI Resources ☒ How To ☒ Sign in to NCBI

COVID-19 Information ×

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

MeSH Home Help

MeSH Advanced Search Builder

Limits Activated: Field: MeSH Unique ID [Change](#) | [Remove](#)

Use the builder below to create your search

[Edit](#) [Clear](#)

Builder

All Fields [Show index list](#)

AND All Fields [Show index list](#)

or [Add to history](#)

History [Download history](#) [Clear history](#)

Search	Add to builder	Query	Items found	Time
#11	Add	Search Scoliosis Field: MeSH Unique ID	0	02:35:35
#10	Add	Search Scoliosis	12	02:31:47

Fig10: Advanced search page for MeSH resource for query “Scoliosis”

NCBI Resources ☒ How To ☒ Sign in to NCBI

NLM Catalog [Create alert](#) [Advanced](#) [Help](#)

COVID-19 Information ×

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

NCBI journals
Journals referenced in the NCBI DBs
Currently indexed
Journals currently indexed in MEDLINE
Customize ...

Languages
English
Spanish
Customize ...

[Clear all](#)
[Show additional filters](#)

Summary Sort by Publication Date

Search results
Items: 1 to 20 of 396

<< First < Prev Page 1 of 20 Next > Last >>

- ☐ [Advanced robotic spine surgery : a case-based approach](#)
1. Wang, Michael Y, 1971-; Steele, William J (William James); Urakov, Timur.
First edition.
Boca Raton : CRC Press, 2021.
NLM ID: 101774223 [Book]
- ☐ [Early onset scoliosis : guidelines for management in resource-limited settings](#)
2. Ahmad, Alaaeldin Azmi; Agarwal, Aakash.
First edition.
Boca Raton, FL : CRC Press, 2021.
NLM ID: 101772571 [Book]
- ☐ [Challenging arterial reconstructions : 100 clinical cases](#)
3. Hans, S S (Sachinder Singh).
Cham : Springer, [2020]
NLM ID: 101778948 [Book]

Send to: [Filters: Manage Filters](#)

PubMed Search Builder

("Scoliosis/blood"[Mesh] OR "Scoliosis/complications"[Mesh] OR "Scoliosis/diagnostic imaging"[Mesh] OR "Scoliosis/etiology"[Mesh] OR

Search details

"scoliosis"[MeSH Terms] OR "scoliosis"[All Fields] OR Scoliosis[All Fields]

[See more...](#)

salud.nih.gov/covid-19/

Fig11: Hit page in resource NLM Catalog for query “Scoliosis”

NCBI Resources How To Sign in to NCBI

NLM Catalog NLM Catalog Search

Advanced Help

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

Full Send to: NLM Holdings in LocatorPlus

Advanced robotic spine surgery : a case-based approach

Author(s): Wang, Michael Y, 1971-, editor
Steele, William J (William James)III, editor
Urakov, Timur, editor

Title(s): Advanced robotic spine surgery : a case-based approach / edited by Michael Wang, William J. Steele, Timur Urakov.

Edition: First edition.

Country of Publication: United States

Publisher: Boca Raton : CRC Press, 2021.

Description: pages cm

Language: English

ISBN: 9780367522445
9780367533830
9781003081715

LCCN: 2020055581

Summary: "Robotic spine surgery is one of the fastest growing segments of the spine surgery market. Surgeons specialising in spine surgery are highly motivated to learn and improve their understanding of the indications,application,and future clinical scope of using new technological platforms. Spinal surgeons face time pressures but are hungry for new ways to effectively treat patients. This book presents

PubMed Search Builder

{ "Scoliosis/blood"[Mesh] OR "Scoliosis/complications"[Mesh] OR "Scoliosis/diagnostic imaging"[Mesh] OR "Scoliosis/etiology"[Mesh] OR

Add to search builder

Search PubMed

Recent Activity

Turn Off Clear

Scoliosis (396) NLM Catalog

Scoliosis AND ("last 5 years"[Pubdate] AND "last 1 years"[Release... (105) Books

Scoliosis AND ("last 5 years"[Pubdate] (814) Books

Fig12: Result Page for NLM catalog for query scoliosis [Advanced robotic spine surgery : a case-based approach]

NCBI Resources How To Sign in to NCBI

NLM Catalog NLM Catalog Search

Create alert Advanced Help

COVID-19 Information

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

NCBI journals clear

✓ Journals referenced in the NCBI DBs

Currently indexed

Journals currently indexed in MEDLINE

Customize ...

Languages clear

✓ English

Spanish

Customize ...

Clear all

Show additional filters

Summary Sort by Publication Date

Search results

Items: 3

Filters activated: Journals referenced in the NCBI DBs, English. [Clear all](#) to show 396 items.

☐ [Scoliosis and spinal disorders](#)

1. Society on **Scoliosis** Orthopaedic and Rehabilitation Treatment.
NLM Title Abbreviation: **Scoliosis** Spinal Disord
ISSN: 2397-1789 (Undetermined) ; 2397-1789 (Linking)
[London] : BioMed Central Ltd., [2016]-[2019]
Not currently indexed for MEDLINE
NLM ID: 101675716 [Serial]

☐ [Spine deformity](#)

2. **Scoliosis** Research Society (US).
NLM Title Abbreviation: Spine Deform
ISSN: 2212-134X (Print) ; 2212-1358 (Electronic) ; 2212-134X (Linking)
2020- : London : Springer Nature
Currently indexed for MEDLINE
NLM ID: 101603979 [Serial]

Send to: Filters: [Manage Filters](#)

PubMed Search Builder

{ "Scoliosis/blood"[Mesh] OR "Scoliosis/complications"[Mesh] OR "Scoliosis/diagnostic imaging"[Mesh] OR "Scoliosis/etiology"[Mesh] OR

Add to search builder

Search PubMed

Search details

("scoliosis"[MeSH Terms] OR "scoliosis"[All Fields] OR Scoliosis[All Fields]) AND (ncbijournals[All Fields] AND English[lang])

Search See more...

Fig13: Hit page for NLM catalog with limit options enabled for query "Scoliosis"

NCBI Resources ☒ How To ☒ Sign in to NCBI

COVID-19 Information ☒

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)

NLM Catalog Home Help

NLM Catalog Advanced Search Builder

Filters activated: Journals referenced in the NCBI DBs, English. [Clear all](#)

Use the builder below to create your search

[Edit](#) [Clear](#)

Builder

All Fields [Show index list](#)

AND All Fields [Show index list](#)

or [Add to history](#)

History [Download history](#) [Clear history](#)

Search	Add to builder	Query	Items found	Time
#17	Add	Search Scoliosis Sort by: PubDate Filters: Journals referenced in the NCBI DBs; English	3	02:42:10
#16	Add	Search Scoliosis Sort by: PubDate Filters: English	237	02:42:07
#15	Add	Search Scoliosis Sort by: PubDate Filters: Journals currently indexed in MEDLINE; English	1	02:41:59
#14	Add	Search Scoliosis Sort by: PubDate Filters: Journals currently indexed in MEDLINE	1	02:41:53
#12	Add	Search Scoliosis Sort by: PubDate	396	02:38:11

Fig14: Advanced search building for NLM Catalog for query “Scoliosis”

NIH National Library of Medicine National Center for Biotechnology Information Log in

PubMed.gov Scoliosis [Advanced](#) [Create alert](#) [Create RSS](#) [User Guide](#)

Sorted by: Most recent

MY NCBI FILTERS ☒ 27,758 results

RESULTS BY YEAR

☒ ☐ ☐

1879 2021

TEXT AVAILABILITY

☐ Abstract ☐ Free full text ☐ Full text

ARTICLE ATTRIBUTE

☐ Associated data

☐ 1 Response to the Letter to the Editor concerning "Cross-cultural adaptation and validity of an adapted Kannada (South Indian Language) version of Scoliosis Research Society (SRS-30) Questionnaire for idiopathic scoliosis" by Baba et al.

Cite Baba MR, Shenoy RM, Soman A, Gurmitkal B.

Share Spine Deform. 2021 Sep 20. doi: 10.1007/s43390-021-00415-2. Online ahead of print. PMID: 34542837 No abstract available.

☐ 2 Spine-Pelvis-Hip Alignments in Degenerative Spinal Deformity Patients and Associated Procedure of One-Stage Long-Fusion with Multiple-Level PLIF or Apical-Vertebra Three Column Osteotomy-a Clinical and Radiographic Analysis Study.

Cite Zhang ZF, Qi DB, Wang TH, Wang Z, Wang Y.

Share Orthop Surg. 2021 Sep 19. doi: 10.1111/os.13059. Online ahead of print. PMID: 34541786

All the HRQOL scores significantly improved at final follow-up ($P < 0.001$), with no difference of intra-group. CONCLUSION: Patients suffered de-novo scoliosis or hyper-kyphosis with low PI would be vulnerable to significant thoracolumbar degeneration, and have more chan

Fig15: Hit page for resource PubMed for query “Scoliosis”

> Spine Deform. 2021 Sep 20. doi: 10.1007/s43390-021-00415-2. Online ahead of print.

Response to the Letter to the Editor concerning "Cross-cultural adaptation and validity of an adapted Kannada (South Indian Language) version of Scoliosis Research Society (SRS-30) Questionnaire for idiopathic scoliosis" by Baba et al

Mudasir Rashid Baba ¹, Ravindra Mohan Shenoy ², Ajith Soman ³, Balakrishna Gurmitkal ⁴

Affiliations + expand

PMID: 34542837 DOI: 10.1007/s43390-021-00415-2

No abstract available

Publication types

> Letter

ACTIONS

Cite

Favorites

SHARE



PAGE NAVIGATION

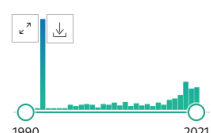
< Title & authors

Publication types

Fig16: Result page for resource PubMed for query “Scoliosis” [Response to the Letter to the Editor concerning "Cross-cultural adaptation and validity of an adapted Kannada (South Indian Language) version of Scoliosis Research Society (SRS-30) Questionnaire for idiopathic scoliosis" by Baba et al]

MY NCBI FILTERS

RESULTS BY YEAR



TEXT AVAILABILITY

- ☐ Abstract
- ☒ Free full text
- ☐ Full text

ARTICLE ATTRIBUTE

- ☐ Associated data

ARTICLE TYPE

- ☒ Books and Documents
- ☐ Clinical Trial

144 results

Filters applied: Free full text, Books and Documents. Clear all

☐ **PPP1R12A-Related Urogenital and/or Brain Malformation Syndrome.**

1 Alkhunaizi E, Chitayat D.
Cite 2021 Sep 9. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJH, Mirzaa G, Amemiya A, editors.
GeneReviews® [Internet]. Seattle (WA): University of Washington, Seattle; 1993–2021.
Share PMID: 34499436 **Free Books & Documents.** Review.
Measurement of growth parameters, evaluation of nutritional status and safety of oral intake, assessment for constipation, monitoring of developmental progress and educational needs, monitoring for changes in seizures, and assessment for new neurologic manifestations at each visit ...

☐ **Kyphosis.**

2 Lam JC, Mukhdomi T.
Cite 2021 Aug 11. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan–.
Share PMID: 32644371 **Free Books & Documents.** Review.
When the forward curvature becomes excessive, this is called hyperkyphosis. Note that this is different than **scoliosis**, which is the curvature of the spine along the frontal plane. ...

☐ **Spine Sagittal Balance.**

3 Kim D, Davis DD, Menger RP.
Cite 2021 Aug 11. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan–.
Share PMID: 38531370 **Free Books & Documents.** Review.

Fig17: Hit page for resource PubMed for query “Scoliosis” With limit options applied.

PubMed Advanced Search Builder

PubMed.gov
User Guide

Filters applied: Free full text, Books and Documents. [Clear all](#)

Add terms to the query box

All Fields

Enter a search term

ADD

Show Index

Query box

Enter / edit your search query here

Search

History and Search Details

Download Delete

Search	Actions	Details	Query	Results	Time
#4	***	>	Search: Scoliosis Filters: Free full text, Books and Documents, from 1986 - 2021 Sort by: Most Recent	144	02:48:06
#3	***	>	Search: Scoliosis Filters: Free full text, from 1986 - 2021 Sort by: Most Recent	5,951	02:48:02
#2	***	>	Search: Scoliosis Filters: from 1986 - 2021 Sort by: Most Recent	22,358	02:48:00
#1	***	>	Search: Scoliosis Sort by: Most Recent	27,758	02:44:34

Showing 1 to 4 of 4 entries

Fig18: Advanced Search builder for Resource PubMed for query “Scoliosis”

NCBI Resources How To Sign in to NCBI

PMC US National Library of Medicine National Institutes of Health

PMC Scoliosis Search

Create alert Journal List Advanced Help

COVID-19 Information

Public health information (CDC) | Research information (NIH) | SARS-CoV-2 data (NCBI) | Prevention and treatment information (HHS) | Español

Article attributes
Associated Data
Author manuscripts
Digitized back issues
MEDLINE journals
Open access
Preprints
Retracted

Text availability
Include embargoed articles

Publication date
1 year
5 years
10 years
Custom range...

Research Funder
NIH
AHRQ
ACL
ASPR
CDC
DHS

Display Settings: Summary, 20 per page, Sorted by Default order

Send to:

Search results
Items: 1 to 20 of 30266

<< First < Prev Page 1 of 1514 Next > Last >>

☐ 2016 SOSORT guidelines: orthopaedic and rehabilitation treatment of idiopathic scoliosis during growth
1. Stefano Negrini, Sabrina Donzelli, Angelo Gabriele Aulisa, Dariusz Czaprowski, Sanja Schreiber, Jean Claude de Mauroy, Helmut Diers, Theodoros B. Grivas, Patrick Knott, Tomasz Kotwicki, Andrea Lebel, Cindy Marti, Toru Maruyama, Joe O'Brien, Nigel Price, Eric Parent, Manuel Rigo, Michele Romano, Luke Stikeleather, James Wynne, Fabio Zaina
Scoliosis Spinal Disord. 2018; 13: 3. Published online 2018 Jan 10. doi: 10.1186/s13013-017-0145-8
PMCID: PMC5795289
[Article](#) [PubReader](#) [PDF-1.0M](#) [Cite](#)

☐ Physiotherapy scoliosis-specific exercises – a comprehensive review of seven major schools
2. Hagit Berdishevsky, Victoria Ashley Lebel, Josette Bettany-Saltikov, Manuel Rigo, Andrea Lebel, Axel Hennes, Michele Romano, Marianna Bialek, Andrzej M'hango, Tony Betts, Jean Claude de Mauroy, Jacek Durrmala
Scoliosis Spinal Disord. 2016; 11: 20. Published online 2016 Aug 4. doi: 10.1186/s13013-016-0076-9
PMCID: PMC4973373

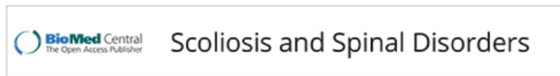
Filter your results:
All (30266)
NIH grants (3932)
Embargoed (0)
[Manage Filters](#)

PMC Images search for Scoliosis

See more (8582)...

Fig19: Hit page for query “Scoliosis” under resource PMC

Journal List > Scoliosis Spinal Disord > v.13; 2018 > PMC5795289



Scoliosis Spinal Disord. 2018; 13: 3.

PMCID: PMC5795289

Published online 2018 Jan 10. doi: [10.1186/s13013-017-0145-8](#)

PMID: [29435499](#)

2016 SOSORT guidelines: orthopaedic and rehabilitation treatment of idiopathic scoliosis during growth

Stefano Negrini,^{1,2} Sabrina Donzelli,^{2,3} Angelo Gabriele Aulisa,⁴ Dariusz Czaprowski,^{5,6} Sanja Schreiber,^{7,8} Jean Claude de Mauroy,⁹ Helmut Diers,¹⁰ Theodoros B. Grivas,¹¹ Patrick Knott,¹² Tomasz Kotwicki,¹³ Andrea Lebel,¹⁴ Cindy Marti,¹⁵ Toru Maruyama,¹⁶ Joe O'Brien,¹⁷ Nigel Price,¹⁸ Eric Parent,¹⁹ Manuel Rigg,²² Michele Romano,³ Luke Stikeleather,²⁰ James Wynne,²¹ and Fabio Zaina³

► Author information ► Article notes ► Copyright and License information ► [Disclaimer](#)

This article has been [cited by](#) other articles in PMC.

Formats:

Article | [PubReader](#) | [PDF \(1.0M\)](#) | [Cite](#)

Share

[Facebook](#) [Twitter](#) [Google+](#)

Fig20: Result page for query “Scoliosis” in resource PMC [2016 SOSORT guidelines: orthopaedic and rehabilitation treatment of idiopathic scoliosis during growth]

► Data Availability Statement

Abstract

Background

The International Scientific Society on Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT) produced its first guidelines in 2005 and renewed them in 2011. Recently published high-quality clinical trials on the effect of conservative treatment approaches (braces and exercises) for idiopathic scoliosis prompted us to update the last guidelines’ version. The objective was to align the guidelines with the new scientific evidence to assure faster knowledge transfer into clinical practice of conservative treatment for idiopathic scoliosis (CTIS).

Methods

Physicians, researchers and allied health practitioners working in the area of CTIS were involved in the development of the 2016 guidelines. Multiple literature reviews reviewing the evidence on CTIS (assessment, bracing, physiotherapy, physiotherapeutic scoliosis-specific exercises (PSSE) and other CTIS) were conducted. Documents, recommendations and practical approach flow charts were developed using a Delphi procedure. The process was completed with the Consensus Session held during the first combined SOSORT/IRSSD Meeting held in Banff, Canada, in May 2016.

Results

The contents of the new 2016 guidelines include the following: background on idiopathic scoliosis, description of CTIS approaches for various populations with flow-charts for clinical practice, as well as literature reviews and recommendations on assessment, bracing, PSSE and other CTIS. The present guidelines include a total of 68 recommendations divided into following topics: bracing ($n = 25$), PSSE to prevent scoliosis progression during growth ($n = 12$), PSSE during brace treatment and surgical therapy ($n = 6$), other conservative treatments ($n = 2$), respiratory function and exercises ($n = 3$), general sport activities ($n = 6$); and assessment ($n = 14$). According to the agreed strength and level of evidence rating scale, there were 2 recommendations on bracing and 1 recommendation on PSSE that reached level of recommendation “I” and level of evidence “II”. Three recommendations reached strength of recommendation A based on the level of evidence I (2 for bracing and one for assessment); 39 recommendations reached strength of recommendation B (20 for bracing, 13 for PSSE, and 6 for assessment). The number of papers for each level of evidence for each treatment is shown in Table 8.

Cited by other articles in PMC

The ISJ 3D Brace, a Providence Brace Evolution, as a Surgery Prevention Method in Idiopathic S [Journal of Clinical Medicine. ...]

Motor Function of Children with SMA1 and SMA2 Depends on the Neck and Trunk Muscle Strength, [International Journal of Envir...]

mHealth for the Monitoring of Brace Compliance and Wellbeing in Adolescents with Idiopathic Scolio [International Journal of Envir...]

An adhesion G protein-coupled receptor is required in cartilaginous and dense connective tissues to maintai [eLife. 2021]

Displacement of Centre of Pressure during Rehabilitation Exercise in Adolescent Idiopathic Scoliosis [Journal of Clinical Medicine. ...]

Links

MedGen

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Taxonomy

Recent Activity

2016 SOSORT guidelines: orthopaedic and rehabilitation treatment of idiopathic s...

Scoliosis AND ("has associated data"[Filter] AND "last 1 years"[P... (118) PMC

Scoliosis AND ("has associated data"[Filter] AND "last 1 years"[P... (0) PMC

Scoliosis AND ("has associated data"[Filter] AND "last 1 years"[P... (1579) PMC

Scoliosis AND ("last 1 years"[PDat]) (3067) PMC

Fig21:Result page for query “Scoliosis” in resource PMC [2016 SOSORT guidelines: orthopaedic and rehabilitation treatment of idiopathic scoliosis during growth]

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Publication date clear

1 year

5 years

10 years

Custom range...

Research Funder clear

NIH

AHRQ

ACL

ASPR

CDC

DHS

Display Settings: Summary, 20 per page, Sorted by Default order

Send to:

Filter your results:

All (118)

NIH grants (102)

Embargoed (0)

Manage Filters

Search results

Items: 1 to 20 of 118

Filters activated: Associated Data, published in the last year, NIH. [Clear all](#) to show 30266 items.

☐ [An adhesion G protein-coupled receptor is required in cartilaginous and dense connective tissues to maintain spine alignment](#)

1. [An adhesion G protein-coupled receptor is required in cartilaginous and dense connective tissues to maintain spine alignment](#)

Zhaoyang Liu, Amro A Hussien, Yunjia Wang, Terry Heckmann, Roberto Gonzalez, Courtney M Karner, Jess G Snedeker, Ryan S Gray

eLife. 2021; 10: e67781. Published online 2021 Jul 28. doi: 10.7554/eLife.67781

PMCID: PMC8328515

[Article](#) [PubMed](#) [PDF-8.1M](#) [Cite](#)

☐ [Lumbar Scoliosis in Postmenopausal Women Increases with Age but is not Associated with Osteoporosis](#)

2. [Lumbar Scoliosis in Postmenopausal Women Increases with Age but is not Associated with Osteoporosis](#)

Janet Rubin, Rebecca J Cleveland, Alexander Padovano, David Hu, Maya Styner, James Sanders

J Endocr Soc. 2021 May 1; 5(5): bvab018. Published online 2021 Feb 15. doi: 10.1210/endo/bvab018

PMCID: PMC8023369

[Article](#) [PubMed](#) [PDF-596K](#) [Cite](#)

PMC Images search for Scoliosis

See more (8582)...

Fig21: Result page of query “Scoliosis” for resource PMC with limit options enabled

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Use the builder below to create your search

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Builder

All Fields

AND All Fields

[Search](#) or [Add to history](#)

[Show index list](#)

[Show index list](#)

History

[Download history](#) [Clear history](#)

Search	Add to builder	Query	Items found	Time
#23	Add	Search Scoliosis Filters: Associated Data; published in the last year; NIH	118	02:56:14
#22	Add	Search Scoliosis Filters: Associated Data; published in the last year; AHRQ	0	02:56:09
#21	Add	Search Scoliosis Filters: Associated Data; published in the last year	1579	02:56:05
#20	Add	Search Scoliosis Filters: published in the last year	3067	02:56:02
#19	Add	Search cited in sr[filter] AND PMC5795289	0	02:54:35
#18	Add	Search Scoliosis	30266	02:53:36

Fig22: Advanced Search builder for resource PMC for query “Scoliosis”

Results:

Sr. No.	Literature Databases	No. of Items
1	Bookshelf	2,013
2	MeSH	12
3	NLM Catalog	396
4	PubMed	27,715
5	PubMed Central	30,226

Conclusion:

The literature tools included in NCBI database are very vast and thorough. They can be efficiently used by students and researchers to gather information about a topic. The Limit filters and advanced search builder, along with MeSH allow us to get hyper specific with the content we want. This is a great set of tools to collect information on any topic relating to Bioinformatics.

References:

1. Bookshelf

1. <https://www.ncbi.nlm.nih.gov/search/all/?term=Scoliosis>
2. <https://www.ncbi.nlm.nih.gov/books/?term=Scoliosis>
3. <https://www.ncbi.nlm.nih.gov/books/NBK1116/?term=Scoliosis>
4. <https://www.ncbi.nlm.nih.gov/books/advanced>

2. MeSH

1. <https://www.ncbi.nlm.nih.gov/mesh/?term=Scoliosis>
2. <https://www.ncbi.nlm.nih.gov/mesh>
3. <https://www.ncbi.nlm.nih.gov/mesh/limits?term=Scoliosis>
4. <https://www.ncbi.nlm.nih.gov/mesh/advanced>

3. NLM Catalog

1. <https://www.ncbi.nlm.nih.gov/nlmcatalog/?term=Scoliosis>
2. <https://www.ncbi.nlm.nih.gov/nlmcatalog/101774223>
3. <https://www.ncbi.nlm.nih.gov/nlmcatalog>
4. <https://www.ncbi.nlm.nih.gov/nlmcatalog/advanced>

4. PubMed

1. <https://pubmed.ncbi.nlm.nih.gov/?term=Scoliosis&sort=date&ac=yes>
2. <https://pubmed.ncbi.nlm.nih.gov/34542837/>
3. <https://pubmed.ncbi.nlm.nih.gov/?term=Scoliosis&filter=simsearch2.ffrt&filter=pubt.booksdocs&filter=years.1986-2021&sort=date>
4. <https://pubmed.ncbi.nlm.nih.gov/advanced/>

5. PMC

1. <https://www.ncbi.nlm.nih.gov/pmc/?term=Scoliosis>
2. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5795289/>
3. <https://www.ncbi.nlm.nih.gov/pmc/advanced>