

PubMed



University of South Carolina School of Medicine Library

This module will demonstrate effective ways of searching the journal literature using PubMed.

Continue

After consulting textbooks to get background/overview information, you can search journal articles for specific information.

The journal literature is useful in looking for current information on treatment issues, since the majority of the articles that are published focus on therapy topics.

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MEDLINE, a database from the National Library of Medicine, is a key database for identifying biomedical journal articles. It is available through two different interfaces, **Ovid** and **PubMed**. Since Ovid and PubMed work differently, it can be helpful to run your search in each because you may retrieve some different articles.

This module only covers PubMed. If you would like to learn more about searching Ovid, there is an optional tutorial available, [Ovid MEDLINE Search Features](#).

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Text caption: This module only covers PubMed. If you would like to learn more about searching Ovid, there is an optional tutorial available, [Ovid MEDLINE Search Features](#).

Although PubMed is freely available, you need to use the library's customized link to PubMed to access the full text of the journals that the library purchases.

Continue

The screenshot shows the library's website interface. At the top left is the University of South Carolina logo and the text "UNIVERSITY OF SOUTH CAROLINA School of Medicine Library". A navigation bar includes "Home", "Find Resources", and "My School of". A search overlay is centered on the page, containing the text "Let's search for recommendations for physical activity for individuals with Marfan Syndrome." and a "Continue" button. Below the overlay is a search bar with the text "Search for articles in PubMed" and a blue "Search" button. At the bottom, there are navigation buttons for "PubMed", "E-Journals", "E-Books", "Catalog", and "Site". A footer contains buttons for "Subject Guides", "E-Journals", "Databases", and "Inter".

UNIVERSITY OF SOUTH CAROLINA
School of Medicine Library

First, let's search for articles about physical activity.

When you are searching PubMed, use synonyms for your search terms. Think about any words an author may use for what you are looking for.

Type **sports OR activity OR exercise** in the PubMed search box below and click **Search**.

PubMed E-Journals E-Books Catalog Site

Search

Subject Guides E-Journals Databases Inter

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PubMed Search

Create RSS Create alert Advanced

Summary 20 per page

Search results

Items: 1 to 20 of 2589453

Sort by Relevance

Now type Marfan Syndrome in the search box and click Search.

1. [An MEG-compatible electromagnetic tracking system for monitoring orofacial kinematics.](#)
Alves N, Jobst C, Hotze F, Ferrari P, Lalancette M, Chau T, Van Lieshout P, Cheyne D.
IEEE Trans Biomed Eng. 2015 Nov 11. [Epub ahead of print]
PMID: 26571510
[Similar articles](#)

2. [TDP-43 Inhibits NF-κB Activity by Blocking p65 Nuclear Translocation.](#)
Zhu J, Cynader MS, Jia W.
PLoS One. 2015 Nov 16;10(11):e0142296. doi: 10.1371/journal.pone.0142296. eCollection 2015.
PMID: 26571498
[Similar articles](#)

3. [Vorinostat Enhances Cytotoxicity of SN-38 and Temozolomide in Ewing Sarcoma Cells and Activates STAT3/AKT/MAPK Pathways.](#)
Sampson VB, Vetter NS, Kamara DF, Collier AB, Gresh RC, Kolb EA
PLoS One. 2015 Nov 16;10(11):e0142704. doi: 10.1371/journal.pone.0142704. eCollection 2015.
PMID: 26571493

Results by year

Titles with your search terms

Physical activity, fitness, glucose homeosta [Med Sci Sports Exerc].
Postexercise Glycogen Recovery Exerci [Int J Sport Nutr Exerc Met
Non-exercise activity thermogerc [NEA [Best Pract Res Clin Endocr

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PubMed Search

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Summary 20 per page filters: [Manage Filters](#)

Search results
Items: 1 to 20 of 6258

Let's take a look at using the Advanced page to combine searches.
Select the Advanced link above.

1. [1156: EXTRACORNEAL LENTICES IN NEONATES AND CHILDREN WITH MARFAN SYNDROME.](#)
Hollis T, Cashen K, Rycus P.
Crit Care Med. 2015 Dec;43(12 Suppl 1):290-291. No abstract available.
PMID: 26570817
[Similar articles](#)

2. [A novel FBN1 missense mutation \(p.C102Y\) associated with ectopia lentis syndrome in a Chinese family.](#)
Zhai Y, Wang W, Zhu YN, Li JY, Yu YH, Lai KR, Yao K.
Int J Ophthalmol. 2015 Oct 18;8(5):855-9. doi: 10.3980/j.issn.2222-3959.2015.05.01. eCollection 2015.
PMID: 26558191 Free PMC Article
[Similar articles](#)

3. [Diagnostic Accuracy of Aortic Root Cross-sectional Area/Height Ratio in Children and Young Adults with Marfan and Loeys-Dietz Syndrome.](#)
Mariucci E, Donti A, Guidarini M, Oppido G, Angeli E, Lovato L, Wischmeijer A, Finlay M, Gargiulo GD, Picchio FM, Bonvicini M.

Results by year

Related searches

- marfan syndrome review
- marfan syndrome aortic
- neonatal marfan syndrome
- marfan syndrome pregnancy
- marfan syndrome genetics

PubMed Advanced Search Builder

Use the builder below to create a search. [Clear](#)

[Edit](#)

Builder [Continue](#)

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
#2	Add	Search marfan syndrome	6258	12:09:53
#1	Add	Search sports OR activity OR exercise	2589453	12:09:23

You are here: NCBI > Literature > PubMed Write to t

PubMed Advanced Search Builder You Tube Tuto

Use the builder below to create your search

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

Builder

All Fields [Show index list](#)

AND [Show index list](#)

or [Add to history](#)

You can also use this page to view your search history and rerun previous searches.

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

Search	Add to builder	Query	Items found	Time
#2	Add	Search marfan syndrome	6258	12:09:53
#1	Add	Search sports OR activity OR exercise	2589453	12:09:23

You are here: NCBI > Literature > PubMed Write to t

PubMed Advanced Search Builder You Tube Tuto

Use the builder below to create your search

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

Builder

All Fields [Show index list](#)

AND [Show index list](#)

Let's combine our searches.

Select the **Add** link next to the marfan syndrome search.

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

Search	Add to builder	Query	Items found	Time
#2	Add	Search marfan syndrome	6258	12:09:53
#1	Add	Search sports OR activity OR exercise	2589453	12:09:23

You are here: NCBI > Literature > PubMed Write to t

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marfan syndrome

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

Builder

All Fields [Show index list](#)

AND [Show index list](#)

Next, select the Add link next to the sports search.

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

Search	Add to builder	Query	Items found	Time
#2	Add	Search marfan syndrome	6258	12:09:53
#1	Add	Search sports OR activity OR exercise	2589453	12:09:23

You are here: NCBI > Literature > PubMed Write to t

PubMed Advanced Search Builder YouTube Tuto

(marfan syndrome) AND (sports OR activity OR exercise)

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

Builder

All Fields [Show index list](#)

AND All Fields [Show index list](#)

AND All F [Show index list](#)

or

You have the option of choosing AND, OR, or NOT to combine your searches. We will leave it at the default setting, AND.

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

Search	Add to builder	Query	Items found	Time
#2	Add	Search marfan syndrome	6258	12:09:53
#1	Add	Search sports OR activity OR exercise	2589453	12:09:23

PubMed Advanced Search Builder YouTube Tuto

(marfan syndrome) AND (sports OR activity OR exercise)

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

Builder

All Fields [Show index list](#)

AND All Fields [Show index list](#)

AND All Fields [Show index list](#)

Finally, click the **Search** button.

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

Search	Add to builder	Query	Items found	Time
#2	Add	Search marfan syndrome	6258	12:09:53
#1	Add	Search sports OR activity OR exercise	2589453	12:09:23

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National Institutes of Health

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Article types: Clinical Trial, Review, Customize ...

Text availability: Abstract, Free full text, Full text

PubMed Commons, Reader comments, Trending articles

Publication dates: 5 years, 10 years, Custom range...

Species: Humans, Other Animals

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Summary 20 per page Sort by Most Recent

Send to: [Manage Filters](#)

Search results

Items: 1 to 20 of 216 << First < Prev Page 1 of 11 Next > Last >>

We retrieved 216 citations.

1. [Abnormal heart rate recovery and deficient chronotropic response after submaximal exercise in young Marfan syndrome patients.](#)
Peres P, Carvalho AC, Perez AB, Medeiros WM. *Circul Young*. 2015 Nov 24;8. [Epub ahead of print]

3. [Fibrillin-1 Regulates Skeletal Stem Cell Differentiation by Modulating TGFβ Activity Within the Marrow Niche.](#)
Saldone S, Clayton NP, Del Solar M, Pascual-Gonzales G, Cheng SH, Wentworth BM, Schaffler MB, Ramirez F. *J Bone Miner Res*. 2015 Jul 18. doi: 10.1002/jbmr.2598. [Epub ahead of print]
PMID: 26189658 [Similar articles](#)

[Similar articles](#)

[Inhibition of Glycoprotein VI Clustering by Collagen as a Mechanism of Inhibiting](#)

New feature
Try the new Display Settings [Sort by Relevance](#)

Titles with your search te
Exercise and the Marfan s
[Med Sci Sports E
Effect of a physical **exercise**
in a patient with [Arq Bras Ca
Proteomic analysis in aortic
patients with **Marfan** [Circula

Find related data
Database:

Search details
("marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[

Looking through the first few results, many of the titles do not seem relevant to exercise recommendations.

[Continue](#)

[...aling triggers cardiomyopathy in mice with Marfan](#)
 hemaly ER, Chiu E, Rao SK, Hampton TG, ... Consortium, Costa KD, Hajjar RJ, Ramirez F. ... 39. doi: 10.1172/JCI71059. Epub 2014 Feb 17.

- [IL-6 regulates extracellular matrix remodeling associated with aortic dilation in a fibrillin-1 hypomorphic mgR/mgR mouse model of severe Marfan syndrome.](#)
 13. Ju X, Ijaz T, Sun H, Lejeune W, Vargas G, Shilagard T, Recinos A 3rd, Milewicz DM, Brasier AR, Tilton RG.
 J Am Heart Assoc. 2014 Jan 21;3(1):e000476. doi: 10.1161/JAHA.113.000476.
 PMID: 24449804 [Free PMC Article](#)
[Similar articles](#)
- [Connective tissue disorders in domestic animals.](#)
 14. Halper J.
 Adv Exp Med Biol. 2014;802:231-40. doi: 10.1007/978-94-007-7893-1_14. Review.
 PMID: 24443030
[Similar articles](#)
- [Basic components of connective tissues and extracellular matrix: elastin, fibrillin, fibulins, fibrinogen, fibronectin, laminin, tenascins and thrombospondins.](#)
 15. Halper J, Kjaer M.
 Adv Exp Med Biol. 2014;802:31-47. doi: 10.1007/978-94-007-7893-1_3. Review.
 PMID: 24443019
[Similar articles](#)
- [\[Multidisciplinary practice guideline 'Marfan syndrome'\].](#)
 16. Hilbert, Lefstee, Y.

US National Library of Medicine
 National Institutes of Health

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Article types: Clinical Trial, Review, Customize ...
 Text availability: Abstract, Free full text, Full text
 PubMed Commons: Reader comments, Trending articles
 Publication dates: 5 years, 10 years, Custom range...
 Species: Humans, Other Animals
[Clear all](#)
[Show additional filters](#)

Summary 20 per page Sort by Most Recent Send to: [Manage Filters](#)

Search results
 Items: 1 to 20 of 216 << First < Prev Page 1 of 11 Next > Last >>

- [Abnormal heart rate recovery and deficient chronotropic response after submaximal exercise in young Marfan syndrome patients.](#)
 1. Peres P, Carvalho AC, Perez AB, Medeiros WM.

Let's look at the "Search details." The "Search details" displays how PubMed translated our search terms. Click the continue button to scroll down the page.

[Continue](#)
- [IL-6 Regulates Skeletal Stem Cell Differentiation by Modulating TGFβ Activity Within the Marrow Niche.](#)
 3. Saldone S, Clayton NP, Del Solar M, Pascual-Gonzales G, Cheng SH, Wentworth BM, Schaffler MB, Ramirez F.
 J Bone Miner Res. 2015 Jul 18. doi: 10.1002/jbmr.2598. [Epub ahead of print]
 PMID: 26189658
[Similar articles](#)
- [Inhibition of Glycoprotein VI Clustering by Collagen as a Mechanism of Inhibiting](#)

Find related data
 Database: Select [Find items](#)

Search details
 ("marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]))

[exercise in young marfan syndrome patients.](#)
Peres P, Carvalho AC, Perez AB, Medeiros WM.
Cardiol Young. 2015 Nov 2;1-8. [Epub ahead of print]
PMID: 26521836
[Similar articles](#)

[The Preparticipation Sports Evaluation](#)
2. Mirabelli MH, Devine
Am Fam Physician. 2015
PMID: 26371570
[Similar articles](#)

[Fibrillin-1 Regulates](#)
3. [Within the Marrow](#)
Smaldone S, Clayton
BM, Schaffler MB, F
J Bone Miner Res. 2015
PMID: 26189658
[Similar articles](#)

[Inhibition of Glycopol](#)
4. [Collagen-Induced Platelet Responses: The Example of Losartan.](#)
Jiang P, Loyau S, Tchitchinadze M, Ropers J, Jondeau G, Jandrot-Perrus M.
PLoS One. 2015 Jun 8;10(6):e0128744. doi: 10.1371/journal.pone.0128744. eCollection 2015.
PMID: 26052700 Free PMC Article
[Similar articles](#)

[Marfan syndrome, inherited aortopathies and exercise: what is the right answer?](#)
5. Cheng A, Owens D.
Heart. 2015 May 15;101(10):752-7. doi: 10.1136/heartjnl-2014-306440. Review.
PMID: 25911666
[Similar articles](#)

Exercise and the Marfan syndrome.
[Med Sci Sports Exerc. 1998]
Effect of a physical **exercise** program in a patient with **M** [Arq Bras Cardiol. 2012]
Proteomic analysis in aortic media of patients with **Marfan** ; [Circulation. 2009]
[See more...](#)

Find related data
Database: Select
[Find items](#)

Search details
("marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]) AND ((("sports"[MeSH Terms] OR "sports"[All Fields]) OR ("motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields] OR "activity"[All Fields]) OR ("exercise"[MeSH Terms] OR "exercise"[All Fields])))
[Search](#) [See more...](#)

Recent Activity
[Turn Off](#) [Clear](#)
Q (marfan syndrome) AND (sports OR activity OR exercise) (216) PubMed
Q marfan syndrome (6258)

Search Details

Query Translation:

```
("marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]) AND ((("sports"[MeSH Terms] OR "sports"[All Fields]) OR ("motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields] OR "activity"[All Fields]) OR ("exercise"[MeSH Terms] OR "exercise"[All Fields])))
```

[Search](#) [URL](#)

Result:
216

Translations:

marfan syndrome	"marfan syndrom syndrome"[All Fields]	All Fields]) OR "marfan
sports	"sports"[MeSH Terms] OR "sports"[All Fields]	
activity	"motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields] OR "activity"[All Fields]	
exercise	"exercise"[MeSH Terms] OR "exercise"[All Fields]	

Database:
PubMed

[Continue](#)

Query Translation:

```
(("marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]) AND ((("sports"[MeSH Terms] OR "sports"[All Fields]) OR ("motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields]) OR "activity"[All Fields]) OR "exercise"[MeSH Terms] OR "exercise"[All Fields]))
```

Search

Result:
216

Translations:

marfan syndrome	"marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]
sports	"sports"[MeSH Terms] OR "sports"[All Fields]
activity	"motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields] OR "activity"[All Fields]
exercise	"exercise"[MeSH Terms] OR "exercise"[All Fields]

Database:
PubMed

User query:
(marfan syndrome) AND (sports OR activity OR exercise)

Query Translation:

```
(("marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]) AND ((("sports"[MeSH Terms] OR "sports"[All Fields]) OR ("motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields]) OR "activity"[All Fields]) OR "exercise"[MeSH Terms] OR "exercise"[All Fields]))
```

Search

Result:
216

Translations:

marfan syndrome	"marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]
sports	"sports"[MeSH Terms] OR "sports"[All Fields]
activity	"motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields] OR "activity"[All Fields]
exercise	"exercise"[MeSH Terms] OR "exercise"[All Fields]

Database:
PubMed

User query:
(marfan syndrome) AND (sports OR activity OR exercise)

Query Translation:

```
(("marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]) AND ((("sports"[MeSH Terms] OR "sports"[All Fields]) OR ("motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields]) OR "activity"[All Fields]) OR ("exercise"[MeSH Terms] OR "exercise"[All Fields])))
```

Search URL

Result: 216 Continue

Translations:

marfan syndrome	"marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]
sports	"sports"[MeSH Terms] OR "sports"[All Fields]
activity	"motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields] OR "activity"[All Fields]
exercise	"exercise"[MeSH Terms] OR "exercise"[All Fields]

Database: PubMed

User query: (marfan syndrome) AND (sports OR activity OR exercise)

Our search term sports was mapped to "sports" [MeSH Terms].

Our search term activity was mapped to "motor activity" [MeSH Terms].

Our search term exercise was mapped to "exercise" [MeSH Terms].

Query Translation:

```
(("marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]) AND ((("sports"[MeSH Terms] OR "sports"[All Fields]) OR ("motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields]) OR "activity"[All Fields]) OR ("exercise"[MeSH Terms] OR "exercise"[All Fields])))
```

Search URL

Result: 216 Continue

Translations:

marfan syndrome	"marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND "syndrome"[All Fields]) OR "marfan syndrome"[All Fields]
sports	"sports"[MeSH Terms] OR "sports"[All Fields]
activity	"motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields] OR "activity"[All Fields]
exercise	"exercise"[MeSH Terms] OR "exercise"[All Fields]

Database: PubMed

User query: (marfan syndrome) AND (sports OR activity OR exercise)

Sometimes PubMed will map your search terms to concepts that you do not want.

Motor activity [MeSH] is too broad of a search term. Activity as a keyword appearing anywhere in the citation and abstract is also too broad.

Both search terms are probably the source of our irrelevant results, and we should remove them from this search.

The screenshot shows the PubMed search page. At the top, there is a search bar with "PubMed" selected and a "Search" button. Below the search bar, there is a section for "Search Details" and a "Query Translation:" box. A red callout box with white text is overlaid on the search bar area, containing the instruction: "Type sports OR exercise in the search box and click Search." Below the callout, the query translation is visible: "marfan syndrome"[MeSH Terms] OR ("marfan"[All Fields] AND syndrome"[All Fields]) OR "marfan syndrome"[All Fields] AND ("sports"[MeSH Terms] OR "sports"[All Fields]) OR ("motor activity"[MeSH Terms] OR ("motor"[All Fields] AND "activity"[All Fields]) OR "motor activity"[All Fields]) OR "exercise"[MeSH Terms] OR "exercise"[All Fields])

The screenshot shows the PubMed search results page. The search bar contains "sports OR exercise" and the "Search" button is visible. A red callout box with white text is overlaid on the search bar area, containing the instruction: "Select the Advanced link above, so we can combine this search with our original marfan syndrome search." Below the callout, the search results are displayed. The results list includes three items:

- [Omega 6 fatty acids for the primary prevention of cardiovascular disease.](#)
Al-Khudairy L, Hartley L, Clar C, Flowers N, Hooper L, Rees K. Cochrane Database Syst Rev. 2015 Nov 16;11:CD011094. [Epub ahead of print] Review. PMID: 26571451 [Similar articles](#)
- [Iron intakes of Australian infants and toddlers: findings from the Melbourne Infant Feeding, Activity and Nutrition Trial \(InFANT\) Program.](#)
Atkins LA, McNaughton SA, Campbell KJ, Szymlek-Gay EA. Br J Nutr. 2015 Nov 17:1-9. [Epub ahead of print] PMID: 26571345 [Similar articles](#)
- [A balance retraining exercise program reduced injurious falls in at-risk older community-dwelling women.](#)
Hirsch C. Ann Intern Med. 2015 Nov 17;163(10):JC2. doi: 10.7326/ACPJC-2015-163-10-002. No abstract available. PMID: 26571256 [Similar articles](#)

On the right side of the page, there are several filters and options: "Filters: Manage Filters", "New feature: Try the new Display Set Sort by Relevance", "Results by year" (with a bar chart), and "Titles with your search" (with a list of related titles).

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[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
#4	Add	Search sports OR exercise	409853	12:14:03
#3	Add	Search (marfan syndrome) AND (sports OR activity OR exercise)	216	12:10:40
#2	Add	Search marfan syndrome	6258	12:09:53
#1	Add	Search sports OR activity OR exercise	2589453	12:09:23

Select the Add link next to the sports OR exercise search.

PubMed Advanced Search Builder YouTube

(sports OR exercise)

[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
#4	Add	Search sports OR exercise	409853	12:14:03
#3	Add	Search (marfan syndrome) AND (sports OR activity OR exercise)	216	12:10:40
#2	Add	Search marfan syndrome	6258	12:09:53
#1	Add	Search sports OR activity OR exercise	2589453	12:09:23

Next, select the Add link next to the marfan syndrome search.

PubMed Advanced Search Builder

((sports OR exercise)) AND marfan syndrome

Edit Clear

Builder

All Fields ⊖ [Show index list](#)

AND All Fields ⊖ [Show index list](#)

AND All Fields ⊕ [Show index list](#)

or

Finally, click the Search button.

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

Search	Add to builder	Query	Items found	Time
#4	Add	Search sports OR exercise	409853	12:14:03
#3	Add	Search (marfan syndrome) AND (sports OR activity OR exercise)	216	12:10:40
#2	Add	Search marfan syndrome	6258	12:09:53
#1	Add	Search sports OR activity OR exercise	2589453	12:09:23

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Customize ...

Text availability: Abstract
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Full text

PubMed Commons
Reader comments
Trending articles

Publication dates: 5 years
10 years
Custom range...

Species: Humans
Other Animals

[Clear all](#)
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Search results
Items: 1 to 20 of 106

By removing "activity" from our search, we narrowed our search from 216 to 106 results.

It is important to view the "Search details" to check for two things:

- PubMed mapped your search terms to MeSH headings.
- PubMed did not add any unwanted terms/concepts to your search.

- [Abnormal heart exercise in your](#)
Peres P, Carvalh
Cardiol Young. 2014
PMID: 26521836
[Similar articles](#)
- [The Preparticipation Sports Evaluation.](#)
Mirabelli MH, Devine MJ, Singh J, Mendoza M.
Am Fam Physician. 2015 Sep 1;92(5):371-6.
PMID: 26371570
[Similar articles](#)
- [Marfan syndrome, inherited aortopathies and exercise: what is the right answer?](#)
Cheng A, Owens D.
Heart. 2015 May 15;101(10):752-7. doi: 10.1136/heartjnl-2014-306440. Review.
PMID: 25911666
[Similar articles](#)

Marfan syndrome, hypertrophic cardiomyopathy findings

Find related data
Database:

Search details

[The Preparticipation Sports Evaluation.](#)

2. Mirabelli MH, Devine MJ, Singh J, Mendoza M. Am Fam Physician. 2015 Sep 1;92(5):371-6. PMID: 26371570

The fifth result looks promising. The information we are looking for may have been published as a practice guideline.

Practice guidelines can be useful resources because they summarize or draw conclusions based on original research.

However, when reading a practice guideline, it is necessary to look for any potential conflicts of interest. What methods did the authors use to analyze the evidence?

[Continue](#)

[Canadian Cardiovascular Society position statement on the management of thoracic aortic disease.](#)

5. Boodhwani M, Andelfinger G, Leipsic J, Lindsay T, McMurtry MS, Therrien J, Siu SC; Canadian Cardiovascular Society. Can J Cardiol. 2014 Jun;30(6):577-89. doi: 10.1016/j.cjca.2014.02.018. Epub 2014 Feb 28. Review. PMID: 24882528 [Similar articles](#)

[\[Multidisciplinary practice guideline 'Marfan syndrome'\]](#).

6. Hilhorst-Hofstee Y. Ned Tijdschr Geneeskd. 2013;157(50):A6658. Review. Dutch. PMID: 24326138 [Similar articles](#)

cardiomyopathy findings

Find related data

Database:

[Find items](#)

Search details

((("sports"[MeSH Terms [All Fields]] OR ("exercise"[MeSH Terms] OR "exercise"[All Fields]) AND ("marfan syndrome"[MeSH Terms] OR "marfan"[All Fields])

[Search](#)

Recent Activity

[\(sports OR exercise\) syndrome \(106\)](#)

[PubMed Help - PubMed](#)

[capitalize \(909\)](#)

[boolean \(512\)](#)

NCBI Resources How To

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PubMed [Search](#)

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Article types: Summary 20 per page Sort by Most Recent

We could narrow our search further by adding the words "practice guideline" to our search.

Another option is using the Article types filter.

[Continue](#)

Search results Page 1 of 6 [Next >](#) [Last >>](#)

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2. Mirabelli MH, Devine MJ, Singh J, Mendoza M. Am Fam Physician. 2015 Sep 1;92(5):371-6. PMID: 26371570 [Similar articles](#)

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Abstract
 A group of relatively uncommon but important genetic cardiovascular diseases (GCVDs) are associated with increased risk for sudden cardiac death during exercise, including hypertrophic cardiomyopathy, long-QT syndrome, Marfan syndrome, and arrhythmogenic right ventricular cardiomyopathy. These conditions, characterized by diverse phenotypic expression and genetic substrates, account for a substantial proportion of unexpected and usually arrhythmia-based fatal events during adolescence and young adulthood. Guidelines are in place governing eligibility and disqualification criteria for competitive athletes with these GCVDs (eg, Bethesda Conference No. 26 and its update as Bethesda Conference No. 36 in 2005). However, similar systematic recommendations for the much larger population of patients with GCVD who are not trained athletes, but nevertheless wish to participate in any of a variety of recreational physical activities and sports, have not been available. The practicing clinician is frequently confronted with the dilemma of designing noncompetitive exercise programs for athletes with GCVD after disqualification from competition, as well as for those patients with such conditions who do not aspire to organized sports. Indeed, many asymptomatic (or mildly symptomatic) patients with GCVD desire a physically active lifestyle with participation in recreational and leisure-time activities to take advantage of the many documented benefits of exercise. However, to date, no reference document has been available for ascertaining which types of physical activity could be regarded as either prudent or inadvisable in these subgroups of patients. Therefore, given this clear and present need, this American Heart Association consensus document was constituted, based largely on the experience and insights of the expert panel, to offer recommendations governing recreational exercise for patients with known GCVDs.

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Systematic Reviews Search Filter

Clinical Queries using Research Methodology Filters

Category	Optimized For	Sensitive/ Specific	PubMed Equivalent
therapy	sensitive/broad	99%/70%	((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials[MeSH Terms] OR clinical trial[Publication Type] OR random*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading])
	specific/narrow	93%/97%	(randomized controlled trial[Publication Type] OR (randomized[Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract]))
diagnosis	sensitive/broad	98%/74%	(sensitiv*[Title/Abstract] OR sensitivity and specificity[MeSH Terms] OR diagnos*[Title/Abstract] OR diagnosis[MeSH:noexp] OR diagnostic *[MeSH:noexp] OR diagnosis differential[MeSH:noexp] OR diagnosis[Subheading:noexp])
	specific/narrow	64%/98%	
etiology	sensitive/broad	93%/63%	
	specific/narrow	51%/95%	
prognosis	sensitive/broad	90%/80%	
	specific/narrow	52%/94%	(prognos*[Title/Abstract] OR (nrs[Title/Abstract] AND episode[Title/Abstract]) OR cohort[Title/Abstract])
clinical prediction guides	sensitive/broad	96%/79%	(predict*[tiab] OR predictive value of tests[mh] OR scor*[tiab] OR observ*[tiab] OR observer variation[mh])
	specific/narrow	54%/99%	(validation[tiab] OR validate[tiab])

For example, the **therapy** category adds search terms such as clinical trial, random allocation, and therapeutic use to your search terms.

Continue

Medical Genetics Filters

Systematic Reviews Search Filter

Clinical Queries using Research Methodology Filters

Category	Optimized For	Sensitive/ Specific	PubMed Equivalent
therapy	sensitive/broad	99%/70%	((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials[MeSH Terms] OR clinical trial[Publication Type] OR random*[Title/Abstract] OR random allocation[MeSH Terms] OR
	specific/narrow	93%/97%	
diagnosis	sensitive/broad	98%/74%	
	specific/narrow	64%/98%	
etiology	sensitive/broad	93%/63%	
	specific/narrow	51%/95%	
prognosis	sensitive/broad	90%/80%	
	specific/narrow	52%/94%	(prognos*[Title/Abstract] OR (nrs[Title/Abstract] AND episode[Title/Abstract]) OR cohort[Title/Abstract])
clinical prediction guides	sensitive/broad	96%/79%	(predict*[tiab] OR predictive value of tests[mh] OR scor*[tiab] OR observ*[tiab] OR observer variation[mh])
	specific/narrow	54%/99%	(validation[tiab] OR validate[tiab])

Plus, there are 2 scope options available, sensitive/broad or specific/narrow, which you can use to increase or decrease the number of results. **Sensitive/Broad** retrieves more relevant articles and some less relevant articles. **Specific/Narrow** retrieves mostly relevant articles, possibly omitting a few relevant articles.

Continue

PubMed Clinical Queries

Results of searches on this page are limited to specific clinical research areas. For comprehensive searches, use [PubMed](#) directly.

Please enter search term(s)

Clinical Study Categories

This column displays citations filtered by category and scope. These search filters include [Haynes RB et al.](#) See more [filter info](#).

Systematic Reviews

Medical Genetics

This column displays citations per meta-analysis, genetics. See more [filter information](#). See [filter](#).

The default settings for the Clinical Study Categories are therapy and sensitive/broad search. You can select a different filter after running a search.

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Please enter search term(s)

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This column displays citations filtered by category and scope. These search filters include [Haynes RB et al.](#) See more [filter info](#).

Systematic Reviews

Medical Genetics

This column displays citations per meta-analysis, genetics. See more [filter information](#). See [filter](#).

Let's look for therapy articles discussing marfan syndrome and the aortic root or aneurysm.

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Clinical Study Categories

This column displays citations filtered to a specific clinical study category and scope. These search filters were developed by Haynes RB et al. See more [filter information](#).

Search tip: Use parentheses to help organize your search terms.

Type (aortic OR aneurysm) AND marfan syndrome in the search box and click Search.

Genetics

This column displays citations per clinical study category. See more [filter information](#).

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Clinical Study Categories

Category: ▼

Scope: ▼

By searching for aortic OR aneurysm, we retrieved articles discussing aortic dilation, aortic dissection, aortic root, etc.

Continue

Genetics

This column displays citations per clinical study category. See more [filter information](#).

Results: 5 of 469

Efficacy of losartan vs. atenolol for the prevention of aortic dilation in Marfan syndrome: a randomized clinical trial.
 Forteza A, Evangelista A, Sánchez V, Teixidó-Turà G, Sanz P, Gutiérrez L, Gracia T, Centeno J, Rodríguez-Palomares J, Ruffianhas JJ, et al.
 Eur Heart J. 2015 Oct 29; . Epub 2015 Oct 29.

[Anesthetic Management of a Patient Complicated with Marfan Syndrome and Suffering from Stanford Type A Aortic Dissection during Pregnancy].
 Uozaki N, Mizuno K, Shiraishi Y, Doi M, Sato S.
 Masui. 2015 Apr; 64(4):412-5.

Effect of personalized external aortic root support on aortic root motion and distension in marfan syndrome patients.
 Izgi C, Nyktari E, Alpendurada F, Bruengger AS, Pepper J, Treasure T, Mohiaddin R.
 Int J Cardiol. 2015 Oct 15; 197:154-60. Epub 2015 Jun 14.

diagnoses.
 Zarate YA, Sellars E, Lepard T, Tang X, Collins RT 2nd.
 Genet Med. 2015 Jul 2; . Epub 2015 Jul 2.

Design and rationale of a prospective, collaborative meta-analysis of all randomized controlled trials of angiotensin receptor antagonists in Marfan syndrome, based on individual patient data: A report from the Marfan Treatment Trialists' Collaboration.
 Pitcher A, Emberson J, Lacro RV, Sleeper LA, Stylianou M, Mahony L, Pearson GD, Groenink M, Mulder BJ, Zwinderman AH, et al.
 Am Heart J. 2015 May; 169(5):605-12. Epub 2015 Feb 12.

Surgical reconstruction of aortic root in Marfan syndrome patients: a systematic review.
 Hu R, Wang Z, Hu X, Wu H, Wu Z, Zhou Z.
 J Heart Valve Dis. 2014 Jul; 23(4):473-83.

Diagnostic Accuracy of Aortic Area/Height Ratio in Child Marfan and Loeys-Dietz Syndrome.
 Mariucci E, Donti A, Guidarini F, Wischmeijer A, Finlay M, Gargiulo G, et al.
 Congenit Heart Dis. 2015 Nov 11.

Clinical utility gene card for Marfan syndrome and dissection: a sequencing-based approach.
 Arslan-Kirchner M, Arbustini E, Colod-Beroud G, De Backer J, et al.
 Eur J Hum Genet. 2015 Oct 20.

Genetics of hereditary large vessel disease.
 Morisaki T, Morisaki H.
 J Hum Genet. 2015 Oct 8; . Epub 2015 Oct 8.

Chest Pain in Children With Marfan Syndrome.

PubMed Clinical Queries

Results of searches on this page are limited to specific clinical research areas. For comprehensive searches, use [PubMed](#) directly.

(aortic OR aneurysm) AND marfan syndrome Search

Clinical Study Categories

Category: Therapy
Scope: Broad

Results: 5 of 469

Efficacy of losartan vs. atenolol for the prevention of aortic dilation in Marfan syndrome: a randomized clinical trial.

Forteza A, Evangelista A, Sánchez V, Teixidó-Turà G, Gutiérrez L, Gracia T, Centeno J, Rodríguez-Palomares J, Rufianchás JJ, et al. Eur Heart J. 2015 Oct 29; . Epub 2015 Oct 29.

[Anesthetic Management of a Patient Complicated with Marfan Syndrome and Suffering from Stanford Type A Aortic Dissection during Pregnancy].

Uozaki N, Mizuno K, Shiraishi Y, Doi M, Sato S. Masui. 2015 Apr; 64(4):412-5.

Effect of personalized external aortic root support on aortic root motion and distension in Marfan syndrome patients.

Izgi C, Nyktari E, Alpendurada F, Bruengger AS, Pepper J, Treasure T, Mohiaddin R. Int J Cardiol. 2015 Oct 15; 197:154-60. Epub 2015 Jun 14.

By placing aortic OR aneurysm in parentheses, PubMed looked for citations that included either of those words, then narrowed the list down to only citations that included Marfan Syndrome in the citation, abstract, or the Medical Subject Headings (MeSH) assigned to the citation.

Continue

Design and rationale of a prospective, collaborative meta-analysis of all randomized controlled trials of angiotensin receptor antagonists in Marfan syndrome, based on individual patient data: A report from the Marfan Treatment Trialists' Collaboration.

Pitcher A, Emberson J, Lacro RV, Sleeper LA, Stylianou M, Mahony L, Pearson GD, Groenink M, Mulder BJ, Zwinderman AH, et al. Am Heart J. 2015 May; 169(5):805-12. Epub 2015 Feb 12.

Surgical reconstruction of aortic root in Marfan syndrome patients: a systematic review.

Hu R, Wang Z, Hu X, Wu H, Wu Z, Zhou Z. J Heart Valve Dis. 2014 Jul; 23(4):473-83.

Genetics

All

Results: 5 of 621

Diagnostic Accuracy of Area/Height Ratio in Child Marfan and Loeys-Dietz Syndrome.

Mariucci E, Donti A, Guidarini T, Schmeijer A, Finlay M, Gargiulo P, et al. Congenit Heart Dis. 2015 Nov 11.

Clinical utility gene card for Marfan syndrome and dissection: a sequencing-based approach.

Arslan-Kirchner M, Arbustini E, Colod-Beroud G, De Backer J, et al. Eur J Hum Genet. 2015 Oct 29.

Genetics of hereditary large aortic aneurysms.

Morisaki T, Morisaki H. J Hum Genet. 2015 Oct 8; . Epub 2015 Sep 14.

Chest Pain in Children With Marfan Syndrome.

Results: 5 of 469

Efficacy of losartan vs. atenolol for the prevention of aortic dilation in Marfan syndrome: a randomized clinical trial.

Forteza A, Evangelista A, Sánchez V, Teixidó-Turà G, Sanz P, Gutiérrez L, Gracia T, Centeno J, Rodríguez-Palomares J, Rufianchás JJ, et al. Eur Heart J. 2015 Oct 29; . Epub 2015 Oct 29.

[Anesthetic Management of a Patient Complicated with Marfan Syndrome and Suffering from Stanford Type A Aortic Dissection during Pregnancy].

Uozaki N, Mizuno K, Shiraishi Y, Doi M, Sato S. Masui. 2015 Apr; 64(4):412-5.

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Izgi C, Nyktari E, Alpendurada F, Bruengger AS, Pepper J, Treasure T, Mohiaddin R. Int J Cardiol. 2015 Oct 15; 197:154-60. Epub 2015 Jun 14.

Comparison of Long-Term Risk of Thoracic Aortic Aneurysm and Dissection in Patients With Bicuspid Aortic Valve and Marfan Syndrome After Aortic Valve Replacement.

Patel HJ. J Am Coll Cardiol. 2015 Jun 9; 65(22):2370-1.

Long-Term Risk for Aortic Complications After Aortic Valve Replacement in Patients With Bicuspid Aortic Valve Versus Marfan Syndrome.

Itagaki S, Chikwe JP, Chiang YP, Egorova NN, Adams DH. J Am Coll Cardiol. 2015 Jun 9; 65(22):2363-9.

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Results: 5 of 37

Aortic dilation, genetic testing, and associated diagnoses.

Zarate YA, Sellars E, Lepard T, Tang X, Collins RT 2nd. Am Heart J. 2015 May; 169(5):805-12. Epub 2015 Feb 12.

The first five results are displayed for all three search filters.

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Am Heart J. 2015 May; 169(5):805-12. Epub 2015 Feb 12.

Surgical reconstruction of aortic root in Marfan syndrome patients: a systematic review.

Hu R, Wang Z, Hu X, Wu H, Wu Z, Zhou Z. J Heart Valve Dis. 2014 Jul; 23(4):473-83.

[Diagnosis and treatment of aortic diseases : new guidelines of the European Society of Cardiology 2014]. Eggebrecht H, European Society of Cardiology. Herz. 2014 Dec; 39(6):931-40.

High prevalence of obstructive sleep apnea in Marfan's syndrome.

Mo L, He Q, Wang Y, Dong B, He J. Chin Med J (Engl). 2014; 127(17):3150-5.

See all (37)

This column displays citations for systematic reviews, meta-analyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines. See [filter](#) information or [additional related sources](#).

Results: 5 of 621

Diagnostic Accuracy of Area/Height Ratio in Child Marfan and Loeys-Dietz Syndrome.

Mariucci E, Donti A, Guidarini T, Schmeijer A, Finlay M, Gargiulo P, et al. Congenit Heart Dis. 2015 Nov 11.

Clinical utility gene card for Marfan syndrome and dissection: a sequencing-based approach.

Arslan-Kirchner M, Arbustini E, Colod-Beroud G, De Backer J, et al. Eur J Hum Genet. 2015 Oct 29.

Genetics of hereditary large aortic aneurysms.

Morisaki T, Morisaki H. J Hum Genet. 2015 Oct 8; . Epub 2015 Sep 14.

Chest Pain in Children With Marfan Syndrome: A Case Report.

Rodríguez-González M, Matarrá J, Marín-Iglesias Mdel R, Lechuga J, et al. Pediatrics. 2015 Oct; 136(4):e127-30.

The role of β -arrestin2-deletion in Marfan syndrome.

Wisler JW, Harris EM, Raisch M, Lefkowitz RJ. Am J Physiol Heart Circ Physiol. 2015 Sep 14.

This column displays citations for systematic reviews, meta-analyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines. See [filter](#) information or [additional related sources](#).

<p>Results: 5 of 469</p> <p>Efficacy of losartan vs. atenolol for the prevention of aortic dilation in Marfan syndrome: a randomized clinical trial.</p> <p>Forteza A, Evangelista A, Sánchez V, Teixidó-Turà G, Sanz P, Gutiérrez L, Gracia T, Centeno J, Rodríguez-Palomares J, Rufilanchas JJ, et al.</p> <p>Eur Heart J. 2015 Oct 29; . Epub 2015 Oct 29.</p> <p>[Anesthetic Management of a Patient Complicated with Marfan Syndrome and Suffering from Stanford Type A Aortic Dissection during Pregnancy].</p> <p>Uozaki N, Mizuno K, Shiraishi Y, Doi M, Sato S.</p> <p>Masui. 2015 Apr; 64(4):412-5.</p> <p>Effect of personalized external aortic root support on aortic root motion and distension in Marfan syndrome patients.</p> <p>Izgi C, Nyktari E, Alpendurada F, Bruengger AS, Pepper J, Treasure T, Mohiaddin R.</p> <p>Int J Cardiol. 2015 Oct 15; 197:154-60. Epub 2015 Jun 14.</p> <p>Comparison of Long-Term Risk of Thoracic Aortic Aneurysm and Dissection in Patients With Bicuspid Aortic Valve and Marfan Syndrome After Aortic Valve Replacement.</p> <p>Patel HJ.</p> <p>J Am Coll Cardiol. 2015 Jun 9; 65(22):2370-1.</p> <p>Long-Term Risk for Aortic Complications After Aortic Valve Replacement in Patients With Bicuspid Aortic Valve Versus Marfan Syndrome.</p> <p>Itagaki S, Chikwe JP, Chiang YP, Egorova NN, Adams DH.</p> <p>J Am Coll Cardiol. 2015 Jun 9; 65(22):2363-9.</p> <p style="text-align: right;">See all (469)</p>	<p>Results: 5 of 37</p> <p>Aortic dilation, genetic testing, and associated diagnoses.</p> <p>Zarate YA, Sellars E, Lepard T, Tang X, Collins RT 2nd.</p> <p>Genet Med. 2015 Jul 2; . Epub 2015 Jul 2.</p> <p>Design and rationale of a prospective, collaborative meta-analysis of all randomized controlled trials of angiotensin receptor antagonists in Marfan syndrome, based on individual patient data: A report from the Marfan Treatment Trialists' Collaboration.</p> <p>Pitcher A, Emberson J, Lacro RV, Sleeper LA, Stylianou M, Mahony L, Pearson GD, Groenink M, Mulder BJ, Zwinderman AH, et al.</p> <p>Am Heart J. 2015 May; 169(5):805-12. Epub 2015 Feb 12.</p> <p>Surgical reconstruction of aortic root in Marfan syndrome patients: a systematic review.</p> <p>Hu B, Miao Z, Hu Y, Wu H, Wu T, Zhou Z.</p> <p>Chin Med J (Engl). 2014; 127(17):3150-5.</p> <p style="text-align: right;">See all (37)</p> <p>This column displays citations for systematic reviews, meta-analyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines. See filter information or additional related sources.</p>	<p>Results: 5 of 621</p> <p>Diagnostic Accuracy of Area/Height Ratio in Child Marfan and Loeys-Dietz Syndrome.</p> <p>Mariucci E, Dotti A, Guidarini F, Wischmeijer A, Finlay M, Gargiulo G, et al.</p> <p>Congenit Heart Dis. 2015 Nov 11.</p> <p>Clinical utility gene card for Marfan syndrome: aortic aneurysm and dissection.</p> <p>Arslan-Kirchner M, Arbustini E, Colod-Beroud G, De Backer J, et al.</p> <p>Eur J Hum Genet. 2015 Oct 29.</p> <p>Genetics of hereditary large aortic aneurysms.</p> <p>Morisaki T, Morisaki H.</p> <p>Hum Genet. 2015 Oct 8; . Epub ahead of print.</p> <p>Most Pain in Children With Marfan Syndrome: A Case Report.</p> <p>Ferreira-González I, Matarranz J, Iglesias Mdel R, Lechuga J, et al.</p> <p>Congenit Heart Dis. 2015 Oct; 136(4):e123-4.</p> <p>Role of β-arrestin2-dependent signaling in aortic aneurysm formation.</p> <p>Wisler JW, Harris EM, Raichowar S, Lefkowitz RJ.</p> <p>Am J Physiol Heart Circ Physiol. 2015 Sep 14.</p> <p>This column displays citations for systematic reviews, meta-analyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines. See filter information or additional related sources.</p>
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Using the broad scope, we retrieved 469 citations.

Click [See all \(469\)](#) to view more of the results.

<p>Practice Guidelines</p> <p>Review</p> <p>Customize ...</p> <p>Text availability</p> <p>Abstract</p> <p>Free full text</p> <p>Full text</p> <p>PubMed</p> <p>Commons</p> <p>Reader comments</p> <p>Trending articles</p> <p>Publication dates</p> <p>5 years</p> <p>10 years</p> <p>Custom range...</p> <p>Species</p> <p>Humans</p> <p>Other Animals</p> <p>Clear all</p> <p>Show additional filters</p>	<p>Search results</p> <p>Items: 1 to 20 of 469</p> <p style="text-align: right;"> << First < Prev Page <input type="text" value="1"/> of 24 Next > Last >> </p> <ol style="list-style-type: none"> <input type="checkbox"/> Efficacy of losartan vs. atenolol for the prevention of aortic dilation in Marfan syndrome: a randomized clinical trial. Forteza A, Evangelista A, Sánchez V, Teixidó-Turà G, Sanz P, Gutiérrez L, Gracia T, Centeno J, Rodríguez-Palomares J, Rufilanchas JJ, Cortina J, Ferreira-González I, García-Dorado D. Eur Heart J. 2015 Oct 29. pii: ehv575. [Epub ahead of print] PMID: 26518245 Similar articles <input type="checkbox"/> [Anesthetic Management of a Patient Complicated with Marfan Syndrome and Suffering from Stanford Type A Aortic Dissection during Pregnancy]. Uozaki N, Mizuno K, Shiraishi Y, Doi M, Sato S. Masui. 2015 Apr;64(4):412-5. PMID: 26419107 Similar articles <input type="checkbox"/> Effect of personalized external aortic root support on aortic root motion and distension in Marfan syndrome patients. Izgi C, Nyktari E, Alpendurada F, Bruengger AS, Pepper J, Treasure T, Mohiaddin R. Int J Cardiol. 2015 Oct 15;197:154-60. doi: 10.1016/j.ijcard.2015.06.015. Epub 2015 Jun 14. PMID: 26134372 Similar articles <input type="checkbox"/> Comparison of Long-Term Risk of Thoracic Aortic Aneurysm and Dissection in Patients With Bicuspid Aortic Valve and Marfan Syndrome After Aortic Valve Replacement. Patel HJ. J Am Coll Cardiol. 2015 Jun 9;65(22):2370-1. doi: 10.1016/j.jacc.2015.04.018. No abstract available. PMID: 26046729 	<p>New features</p> <p>Try the new search</p> <p>Sort by Relevance</p> <p>Find related</p> <p>Database</p> <p>Find related</p> <p>Search</p> <p>Therapy/... (((("aort... [All Fields]) Terms] C</p> <p>Search</p> <p>Recent</p> <p>(Ther... aneu...</p> <p>PubM...</p> <p>Simil... 1518</p> <p>Reco...</p>
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- [Efficacy of losartan vs. atenolol for the prevention of aortic dilation in Marfan syndrome: a randomized clinical trial.](#)
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Uozaki N, Mizuno K, Shirai M, Masui. 2015 Apr;64(4):412-5.
PMID: 26419107
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- [Effect of personalized external counterpulsation in Marfan syndrome patients.](#)
Izgi C, Nyktari E, Alpendurada F, Bruengger AS, Pepper J, Treasure T, Mohiaddin R. Int J Cardiol. 2015 Oct 15;197:154-60. doi: 10.1016/j.ijcard.2015.06.015. Epub 2015 Jun 14.
PMID: 26134372
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- [Comparison of Long-Term Risk of Thoracic Aortic Aneurysm and Dissection in Patients With Bicuspid Aortic Valve and Marfan Syndrome After Aortic Valve Replacement.](#)
Patel HJ. J Am Coll Cardiol. 2015 Jun 9;65(22):2370-1. doi: 10.1016/j.jacc.2015.04.018. No abstract available.
PMID: 26046729

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- [Efficacy of losartan vs. atenolol for the prevention of aortic dilation in Marfan syndrome: a randomized clinical trial.](#)
Forteza A, Evangelista A, Sánchez V, Teixidó-Turà G, Sanz P, Gutiérrez L, Gracia T, Centeno J, Rodríguez-Palomares J, Rupilanchas JJ, Cortina J, Ferreira-González I, García-Dorado D. Eur Heart J. 2015 Oct 29. pii: ehv575. [Epub ahead of print]
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- [\[Anesthetic Management from Stanford Type A Aortic Dissection\]](#)
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- [Comparison of Long-Term Risk of Thoracic Aortic Aneurysm and Dissection in Patients With Bicuspid Aortic Valve and Marfan Syndrome After Aortic Valve Replacement.](#)
Patel HJ. J Am Coll Cardiol. 2015 Jun 9;65(22):2370-1. doi: 10.1016/j.jacc.2015.04.018. No abstract available.
PMID: 26046729

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Category: Therapy

Scope: Broad
Broad
Narrow

Systematic Reviews

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Topic: All

Results: 5 of 469

Efficacy of losartan vs. atenolol for the prevention of aortic dilation in Marfan syndrome: a randomized clinical trial.
 Forteza A, Evangelista A, Sánchez V, Teikidó-Turà G, Sanz P, Gutiérrez L, Gracia T, Centeno J, Rodríguez-Palomares J, Rufianchás JJ, et al.
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[Anesthetic Management of a Patient Complicated with Marfan Syndrome and Suffering from Stanford Type A Aortic Dissection during Pregnancy].
 Uozaki N, Mizuno K, Shiraishi Y, Doi M, Sato S.
 Masui. 2015 Apr; 84(4):412-5.

Effect of personalized external aortic root support on aortic root motion and distension in Marfan syndrome patients.
 Izgi C, Nyktari E, Alpendurada F, Bruengger AS, Pepper J, Treasure T, Mohiaddin R.
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Design and rationale of a prospective, collaborative meta-analysis of all randomized controlled trials of angiotensin receptor antagonists in Marfan syndrome, based on individual patient data: A report from the Marfan Treatment Trialists' Collaboration.
 Pitcher A, Emberson J, Lacro RV, Sleeper LA, Stylianou M, Mahony L, Pearson GD, Groenink M, Mulder BJ, Zwinderman AH, et al.
 Am Heart J. 2015 May; 169(5):605-12. Epub 2015 Feb 12.

Surgical reconstruction of aortic root in Marfan syndrome patients: a systematic review.
 Hu R, Wang Z, Hu X, Wu H, Wu Z, Zhou Z.
 J Heart Valve Dis. 2014 Jul; 23(4):473-83.

Results: 5 of 621

Diagnostic Accuracy of Aortic Area/Height Ratio in Child Marfan and Loays-Dietz Syndrome.
 Mariucci E, Donti A, Guidarini M, Wischmeijer A, Finlay M, Gargiulo G, et al.
 Congenit Heart Dis. 2015 Nov 11.

Clinical utility gene card for Marfan syndrome: a sequencing-based approach.
 Arslan-Kirchner M, Arbustini E, Colod-Beroud G, De Backer J, et al.
 Eur J Hum Genet. 2015 Oct 29.

Genetics of hereditary large aortic aneurysms.
 Morisaki T, Morisaki H.
 J Hum Genet. 2015 Oct 8; . Epub 2015 Oct 8.

Chest Pain in Children With Marfan Syndrome.

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Scope: **Narrow**

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Design and rationale of a prospective, collaborative meta-analysis of all randomized controlled trials of angiotensin receptor antagonists in Marfan syndrome, based on individual patient data: A report from the Marfan Treatment Trialists' Collaboration.
 Pitcher A, Emberson J, Lacro RV, Sleeper LA, Stylianou M, Mahony L, Pearson GD, Groenink M, Mulder BJ, Zwinderman AH, et al.
 Am Heart J. 2015 May; 169(5):605-12. Epub 2015 Feb 12.

Marfan Sartan: a randomized, double-blind, placebo-controlled trial.
 Milleron O, Arnoult F, Ropers J, Aegerter P, Detaint D, Delorme G, Attias D, Tubach F, Dupuis-Girod S, Plauchu H, et al.
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A randomized, double blind pilot study to assess the effects of losartan vs. atenolol on the biophysical properties of the aorta in patients with Marfan and Loays-Dietz syndromes.

Marfan Treatment Trialists' Collaboration.
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Systematic Reviews

Medical Genetics

Topic:

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Aortic dilation, genetic testing, and associated diagnoses.

Zarate YA, Sellars E, Lepard T, Tang X, Collins RT 2nd. Genet Med. 2015 Jul 2; . Epub 2015 Jul 2.

Design and rationale of a prospective, collaborative meta-analysis of all randomized controlled trials of angiotensin receptor antagonists in Marfan syndrome, based on individual patient data: A report from the Marfan Treatment Trialists' Collaboration.

Pitcher A, Emberson J, Lacro RV, Sleeper LA, Stylianou M, Mahony L, Pearson GD, Groenink M, Mulder BJ, Zwiderman AH, et al.

Am Heart J. 2015 May; 169(5):805-12. Epub 2015 Feb 12.

Surgical reconstruction of aortic root in Marfan syndrome patients: a systematic review.

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Mariucci E, Dondi A, Guidarini F, Wischmeijer A, Finlay M, Gargiulo M, et al. Congenit Heart Dis. 2015 Nov 11.

Clinical utility of gene card for aortic aneurysm and dissection: a sequencing-based approach

Arslan-Kirchner M, Arbustini E, Colod-Beroud G, De Backer J, et al.

Eur J Hum Genet. 2015 Oct 20.

Genetics of hereditary large aortic aneurysms

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Eur Heart J. 2015 Aug 21; 36(32):2180-8. Epub 2015 May 2.

A randomized, double blind pilot study to assess the effects of losartan vs. atenolol on the biophysical properties of the aorta in patients with Marfan and Loeys-Dietz syndromes.

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J Thorac Cardiovasc Surg. 2014 Oct 1; 148(4):1033-41. Epub 2014 Aug 14.

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Aortic dilation, genetic testing, and associated diagnoses.

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J Hum Genet. 2015 Oct 8; . Epub ahead of print.

Chest Pain in Children With Marfan Syndrome and Fibrillinopathy: A Case Report

Rodríguez-González M, Matarín-Marín-Iglesias Mdel R, Lechuga-Pedraza J, et al. Pediatr Res. 2015 Oct; 138(4):e10. Epub 2015 Sep 14.

The role of β -arrestin2-deficient mice in aortic aneurysm formation syndrome.

Wisler JW, Harris EM, Raisch M, Lefkowitz RJ.

Am J Physiol Heart Circ Physiol. 2015 Sep 14.

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-75. doi: 10.1016/j.ahj.2012.07.023. Review.

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A systematic review of the pharmacological management of aortic root dilation in Marfan syndrome.

Thakur V¹, Rankin KN, Hartling L, Mackie AS.

Author information

Abstract

BACKGROUND: Marfan syndrome causes aortic dilation leading to dissection and death. This systematic review examined the use of beta-blockers, angiotensin-converting enzyme inhibitors, and angiotensin II receptor blockers in the management of aortic dilation in this disease.

METHODS: We searched four databases—Medline, EMBASE, Web of Science, and The Cochrane Central Register of Controlled Trials—two conference proceedings, references of retrieved articles, and a web-based trial registry. The primary outcome was mortality. The secondary outcomes were aortic dissection, need for elective surgical repair, change in aortic dilation, and adverse events. Two reviewers selected studies, abstracted data, and assessed study quality. Meta-analyses were not performed because of study heterogeneity.

RESULTS: A total of 18 studies were included—12 completed and six in progress. Of the completed studies, three before-and-after treatment, one prospective cohort, three retrospective cohorts, and two randomised control trials examined beta-blockers; one randomised and one non-randomised trial examined angiotensin-converting enzyme inhibitors; and one retrospective cohort study examined angiotensin II receptor blockers. Studies in progress are all randomised trials. Mortality was not impacted by drug therapy, although studies were underpowered with respect to this outcome. All drug classes were associated with a decrease in the rate of aortic dilation (angiotensin-converting enzyme inhibitors or angiotensin II receptor blockers > beta-blockers); none had an impact on other secondary outcomes.

CONCLUSIONS: On the basis of existing evidence, beta-blockers, angiotensin-converting enzyme inhibitors, and angiotensin II receptor blockers slow the progression of aortic dilation in Marfan syndrome. Angiotensin-converting enzyme inhibitors and angiotensin II receptor blockers may have more effect than beta-blockers; however, more methodologically rigorous studies currently in progress are needed to evaluate the impact of drug therapy on clinical outcomes.

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