Evidence Process for Headache Guideline Research

08-15-17

Guideline Review using ADAPTE method and AGREE II instrument – as of 05-30-17

~38
Potentially relevant guidelines
identified in various resources*

18
Guidelines appraised using AGREE II analysis

13
Guidelines meeting AGREE II inclusion threshold of combined total score ≥ 90
AND Rigor of Development Scaled Domain Score Percentage > 50%
All were included in detailed ADAPTE recommendation analysis

5
Guidelines **not** meeting AGREE II inclusion threshold of combined total score ≥ 90
AND Rigor of Development Scaled Domain Score Percentage > 50%

~20
Guidelines Excluded

Exclusion Criteria:

- Non-English language
- Pediatrics
- Age of Publication
- Ex-U.S. focus
- Limited information on advanced imaging

Systematic Literature Research – Ovid EmBase and Medline Databases (07/10/2012 – 08/07/2017)

97 Results

High-Level Research Search Strategy: **Search run on 07/10/2017**

(Headache* OR (cranial pain) OR cephalgia* OR hemicrania OR (trigeminal autonomic cephalalgia*) OR Migraine* OR (Status Migrainosus))
AND
(imaging OR (CT OR (computed tomography)) OR (MRI OR (magnetic resonance) OR(cerebral angiogra*) OR (computed tomography angiograph*) OR CTA OR (magnetic resonance angiograph*) OR MRA)
AND
((systemati* review) OR (randomiz* control* OR RCT OR randomized controlled trial*) OR guidance OR guideline OR recommendation OR (meta analysis OR meta-analysis))
AND
Limit: English, Human, Adult
Limit: year= (2012 to present)

Abstracts Screened
12 Systematic Reviews
3 Meta-Analyses
4 RCTs & Other Studies

78 Excluded

Evidence Table References
3 Systematic Reviews

2003 Results

Prospective Study Search Strategy: **Search run on 07/18/2017**

(Headache* OR (cranial pain) OR cephalgia* OR hemicrania OR (trigeminal autonomic cephalalgia*) OR Migraine* OR (Status Migrainosus))
AND
(imaging OR (CT OR (computed tomography)) OR (MRI OR (magnetic resonance) OR (cerebral angiogra*) OR (computed tomography angiograph*) OR CTA OR (magnetic resonance angiograph*) OR MRA)
AND
(classical article or clinical conference or clinical study or clinical trial, all or clinical trial, phase i or clinical trial, phase ii or clinical trial, phase iii or clinical trial, phase iv or clinical trial or comparative study or consensus development conference or consensus development conference, nih or controlled clinical trial or "corrected and republished article" or english abstract or evaluation studies or introductory journal article or journal article or lectures or multicenter study or observational study or pragmatic clinical trial or "research support, american recovery and reinvestment act" or research support, nih, extramural or research support, nih, intramural or research support, non us gov't or research support, us gov't, non phs or research support, us gov't, phs or "review" or "scientific integrity review" or technical report or validation studies))
AND
Limit: English, Human, Adult
Limit: year= (2012 to present)

Abstracts Screened
3 Case Reports
4 Reviews
1 RCTs & Other Studies

1995 Excluded

Evidence Table References
1 Retrospective Study

*Information Resources:
Ovid EmBase and Medline, NCBI PubMed, National Guideline Clearinghouse, Guidelines International Network, TRIP Database, Choosing Wisely, Cochrane Database, Agency for Healthcare Research and Quality, and numerous specialty society websites
Additional Internet and bibliographic searches were performed for all phases of research

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Systematic Literature Research – Ovid Medline Databases (07/10/2012 – 08/07/2017)

2117 Results

Diagnostic Study Search Strategy: **Search run on 08/07/2017**

(headache OR migraine OR cephalgia OR (cranial pain) OR hemicrania*)
AND
(imaging OR neuroimaging OR (computed tomography) OR CT OR MRI OR MR OR magnetic OR angiography OR CTA OR CTV OR MRA OR MRV OR SPECT OR PET)
AND
(odds ratio OR relative risk OR RR OR confidence interval OR CI OR yield OR frequency OR incidence OR prevalence OR sensitiv* OR specif* OR likelihood ratio OR accuracy OR LR OR predictive value OR NPV OR PPV))
NOT
(case reports)
AND
Limit: English, Human, Adult
Limit: year= (2012 to present)

34 Abstracts Screened
16 Retrospective Studies
18 Other Studies

2083
Excluded

Evidence Table References
1 Retrospective Studies
15 Other Studies

*Information Resources:
Ovid EmBase and Medline, NCBI PubMed, National Guideline Clearinghouse, Guidelines International Network, TRIP Database, Choosing Wisely, Cochrane Database, Agency for Healthcare Research and Quality, and numerous specialty society websites
Additional Internet and bibliographic searches were performed for all phases of research

Systematic Literature Research –Ovid Medline & Embase Databases (01/01/2012 – 08/14/2017)

74 Results

Prospective Study Search Strategy: **Search run on 08/14/2017**

(post concussive syndrome OR post-concussion syndrome) OR (subacute brain injury) OR (subacute brain trauma) OR (subacute traumatic brain injury) OR (chronic traumatic brain injury)
AND
(clinical study OR clinical trial, all OR clinical trial, phase i OR clinical trial, phase ii OR clinical trial, phase iii OR clinical trial, phase iv OR clinical trial OR comparative study OR controlled clinical trial OR evaluation studies OR meta-analysis OR multicenter study OR observational study OR pragmatic clinical trial OR randomized controlled trial OR systematic review OR twin study or validation studies)
AND
Limit: English, Human, Adult
Limit: year= (2012 to present)

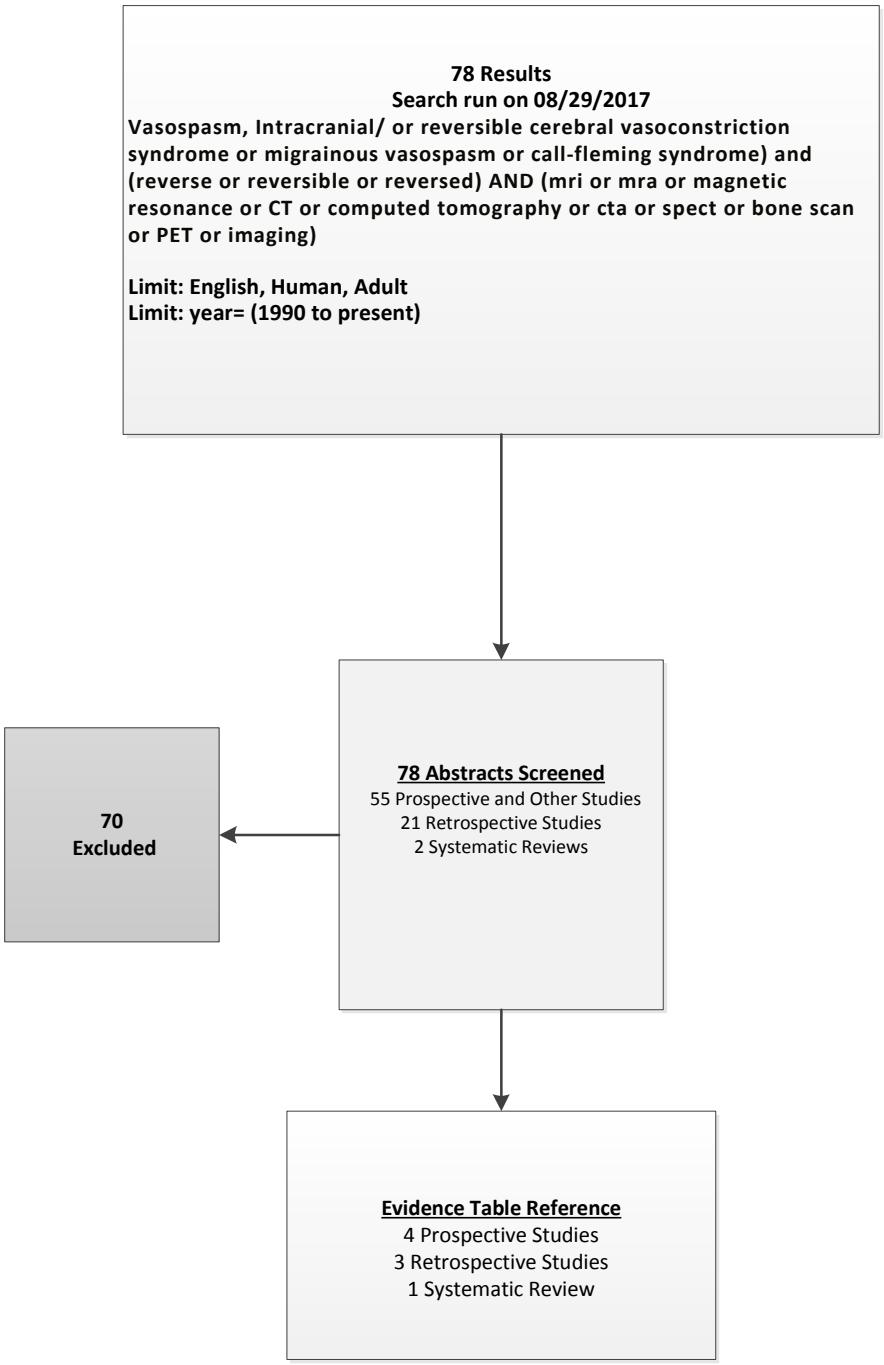
Abstracts Screened
3 Systematic Reviews
69 RCTs & Other Studies
2 Case Reports

68 Excluded

Evidence Table References
3 Systematic Reviews
3 Research Studies

*Information Resources:
Ovid EmBase and Medline, NCBI PubMed, National Guideline Clearinghouse, Guidelines International Network, TRIP Database, Choosing Wisely, Cochrane Database, Agency for Healthcare Research and Quality, and numerous specialty society websites
Additional Internet and bibliographic searches were performed for all phases of research

Systematic Literature Research –Ovid Medline & Embase Databases (01/01/1990– 08/29/2017)



*Information Resources:
Ovid EmBase and Medline, NCBI PubMed, National Guideline Clearinghouse, Guidelines International Network, TRIP Database, Choosing Wisely, Cochrane Database, Agency for Healthcare Research and Quality, and numerous specialty society websites
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