

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Altered Mental Status, Coma, Delirium, and Psychosis**

Literature Search Performed on: 12/07/2022

Beginning Date: January 2006

End Date: November 2022

Database: Ovid MEDLINE(R) ALL <1946 to December 06, 2022>

**Search Strategy**

- 1 (Mental Disorders/ and Tomography, X-Ray Computed/) or Emergency Department Patients with Delirium.tw. (367)
- 2 (Brain Diseases/ and Confusion/ and Neuroimaging/) or (Neuroimaging in the Acute Psychiatric or Treatment of altered mental status or patients with altered mental status).tw. (173)
- 3 (Mental Disorders/ and Emergency Treatment/ and Emergency Service, Hospital/) or (Brain/ and Psychotic Disorders/ and Tomography, Emission-Computed/) (46)
- 4 (Brain damage,chronic/ and Psychotic Disorders/ and Tomography, X-Ray Computed/) or (Psychotic Disorders/ and Depressive Disorder, Major/ and Schizophrenia/ and mass screening/) (15)
- 5 1 or 2 or 3 or 4 (599)
- 6 limit 5 to yr="2006 -Current" (271)
- 7 (Tomography, X-Ray Computed/ or Emergency Service, Hospital/ or Hospitalization/ or Neuroimaging/ or Diagnostic imaging/ or exp diagnostic imaging/) and Delirium/ (1397)
- 8 Emergency Service, Hospital/ and Altered mental status.mp. (329)
- 9 (Neuroimaging/ and Brain diseases/ and confusion/) or (Brain/ and Consciousness Disorders/ and seizures/) or (Neuroimaging/ and Brain/ and Electroencephalography/ and Brain Waves/) (42)
- 10 (Delirium/ and Brain diseases/ and confusion/) or (Head/ and confusion/) or ((Tomography, X-Ray Computed/ or Delirium/) and (Brain diseases/ and Brain/ and confusion/)) (14)
- 11 (Confusion/ or stupor/ or (obtunded or unresponsive).mp.) and (Tomography, X-Ray Computed/ or Emergency Service, Hospital/ or Hospitalization/ or Neuroimaging/ or Diagnostic imaging/) (1115)
- 12 (psychotic disorders/ and Brain diseases/ and Brain/) or (Mental Status Schedule/ and Delirium/) (317)
- 13 7 or 8 or 9 or 10 or 11 or 12 (3078)
- 14 limit 13 to yr="2017 -Current" (964)
- 15 6 or 14 (1227)
- 16 limit 15 to (abstracts and english language and humans) (995)
- 17 limit 16 to "all child (0 to 18 years)" (164)
- 18 16 not 17 (831)
- 19 limit 18 to case reports (147)
- 20 18 not 19 (684)
- 21 Psychosis/ or Mental Disorders/ or Acute liver failure/ or Encephalopathy/ or Acute kidney injury/ or Acute liver failure/ or Encephalopathy/ or Fever/ or Septic shock/ or Brain neoplasms/ or Intracranial hemorrhage/ or Intracranial hypertension/ or Coma/ or Delirium/ (550205)
- 22 limit 21 to (guideline or practice guideline) (701)
- 23 limit 22 to (abstracts and english language and humans and yr="2017 -Current") (112)
- 24 limit 23 to "all child (0 to 18 years)" (20)
- 25 23 not 24 (92)
- 26 20 or 25 (775)

**Summary**

Source	#Unique Refs	#Retained Refs
Old bibliography	53	40
Literature Search(es)	767	6
Author Added	5	1
Supporting Docs	5	4
Total		51

References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or

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biased results.