

CT Scan Head

Adjudication Guideline

Rule Category:
Medical

Ref: No:
2020-MN-0048

Version Control:
Version No. 3.0

Effective Date:
13/05/2022

Revision Date:
27/10/2025

Approved by:
Daman

Responsible:
Medical Standards
& Research

**Related Adjudication
Guidelines:**
N/A

Table of Contents

1.	Abstract	3
1.1	For Members.....	3
1.2	For Medical Professionals	3
2.	Scope	3
3.	Adjudication Policy.....	3
3.1	Eligibility / Coverage Criteria.....	3
3.2	Requirements for Coverage	6
3.3	Non-Coverage.....	6
3.4	Payment and Coding Rules	6
4.	Denial Codes.....	7
5.	Appendices	7
5.1	References	7
5.2	Revision History	8

1. Abstract

1.1 For Members

CT Head (Computed Tomography) scan is an imaging method that uses X-Rays to create cross sectional images of the Skull and the Brain.

1.2 For Medical Professionals

Computed tomography (CT) of the head uses special x-ray equipment to help assess head injuries, severe headaches, and other symptoms of aneurysm, bleeding, stroke, and brain tumours.

Types of head CT:

- Computed tomography, head or brain; without contrast material
- Computed tomography, head or brain; with contrast material(s)
- Computed tomography, head or brain; without contrast material, followed by contrast material(s)

2. Scope

This adjudication rule aims to highlight the medical necessity and coverage details of CT Head with contrast, without contrast and without contrast material, followed by contrast material for all health insurance plans administered by Daman.

3. Adjudication Policy

3.1 Eligibility / Coverage Criteria

Medical Indications criteria:

Medical Indications	Description
1.Head Injury	Head injury may arise from various etiological factors, below are the most common causes of Head Injury: 1. Road and Traffic Accident (RTA) 2. Blunt injury to head by foreign object 3. Fall

	Adult CT Scan is needed if one of the following exists in addition to Presence of head injury: 1. Glasgow Coma Scale (GCS) <13 upon initial assessment and <15 within two hours after injury 2. Suspected open or depressed skull fracture. 3. Signs of basal skull fracture: • Contusion surrounding the eyes (Raccoon eyes) • Hemotympanum • Otorrhea • Rhinorrhoea 4. Post-traumatic seizure 5. >1 episode of vomiting Paediatric CT Scan is needed if one of the following exists in addition to Presence of head injury: 1. GCS <14 on initial assessment or <15 within two hours after injury 2. Post-traumatic seizure 3. Open or depressed skull fracture 4. Signs of basal skull fracture 5. Age <1 with swelling, bruise, and laceration on forehead.
2. Stroke	Non-contrast CT is the first line imaging test for acute stroke to rule out intracranial haemorrhage and large infarct. CT is warrant if the following exists: 1. Signs and symptoms of acute stroke 2. Risk Factors of stroke 3. Previous Transient Ischemic Attack or stroke 4. Current on Anti-coagulants
3. Headache	Headaches could arise from various causes and could present in an acute setting and in a chronic setting. Types of headaches: 1. Cluster Headache 2. Migraine 3. Thunderclap headache 4. Hypnic Headache CT is not beneficial unless presence of the following: 1. Presence of seizures

	2. Change in personality 3. Focal Neurological deficit 4. History of recent head injury 5. Risk factors for stroke 6. Previous history of Aneurysm
4. Suspected space occupying lesion	Symptoms and signs of a space occupying lesion are due to the increased intra-cranial pressure. CT scan without contrast should be done if the following exists: 1. Signs of symptoms of stroke 2. Risk factors of stroke 3. Unexplained complicated headache 4. Seizures 5. Vomiting/ Nausea 6. Altered Mental Status (AMS)
5. Intra-cranial infections	Types of Intra-cranial infections: 1. Meningitis: If contraindication for Lumbar puncture present. 2. Encephalitis: CT scan with and without contrast is gold standard for all patients. Symptoms of encephalitis.
6. Post-operative/Pre-procedural evaluation	Follow up CT may be needed after completion of treatment or surgery. Sufficient documents are required to cover the service.
7. Other	1. Altered Mental Status: • Immunocompromised patient • Currently on anticoagulation • GCS<13 2. Abnormal eye findings on physical examination: • Papilledema • Nystagmus • Ocular nerve palsies • Visual field deficit 3. Seizures: Patients who have recurrent seizures and are not eligible for an MRI scan. 4. Basal Skull Fracture: Symptoms mentioned above

Clinician Eligibility criteria:

Eligible Speciality
Neurologist
Emergency Medicine
Neurosurgery
Internal Medicine

Paediatric Medicine
Psychiatry
Family Medicine
Otolaryngology
Paediatric Development Medicine
General Surgery
Ophthalmology

3.2 Requirements for Coverage

- The Questionnaire must be filled and submit the required documents for preauthorization request.
- Failure to submit, upon request or when requesting a clinical history, indication the need for testing will result in rejection of claim.

3.3 Non-Coverage

- CT Head is not covered when the above criteria's (Coverage and Billing and CLN) are not met.
- Coverage as per plan:

Plan	Coverage
Visitors Plan	Not covered
Basic	Covered
Enhanced	Covered
Thiqa	Covered

3.4 Payment and Coding Rules

Please apply regulator payment rules and regulations and relevant coding manuals for ICD, CPT, etc.

4. Denial Codes

Regulator denial codes with description are elaborated for reference.

These are specialized codes directed by the regulators, that explains the reason of rejection of the service by DAMAN to the providers.

Code	Code Description
MNEC-004	Service is not clinically indicated based on good clinical practice
NCOV-001	Diagnoses are not covered
CODE-010	Activity/diagnosis inconsistent with clinician specialty

5. Appendices

Questionnaire (to be filled and submitted with the pre-authorization request):

Link:

<https://www.damanhealth.ae/main/pdf/support/Questionnaire/CTHeadQuestionnaire.pdf>

5.1 References

- <https://emedicine.medscape.com/article/2110836-overview>
- <https://patient.info/doctor/ct-head-scanning-indications>
- <https://www.nice.org.uk/guidance/cg176/resources/imaging-algorithm-pdf-498950893>
- https://www.medicinenet.com/11_signs_and_symptoms_of_stroke/article.htm
- <https://www.nhlbi.nih.gov/health-topics/stroke>
- <https://www.mayoclinic.org/diseases-conditions/encephalitis/symptoms-causes/syc-20356136>
- <https://www.insideradiology.com.au/computed-tomography-hp/>
- <https://www.medscape.com/answers/232915-10778/what-are-the-serious-complications-of-bacterial-meningitis>

5.2 Revision History

Date	Change(s)
13/05/2022	Creation of Adjudication Guideline-External Instruction Template. Release of Version 1.0
20/12/2024	Release of Version 2.0
27/10/2025	Release of Version 3.0

Disclaimer

By accessing these Daman Adjudication Guidelines, you acknowledge that you have read and understood the terms of use set out in the disclaimer below:

The information contained in this Adjudication Guideline is intended to outline the procedures of adjudication of medical claims as applied by the National Health Insurance Company – Daman PJSC (hereinafter "Daman"). The Adjudication Guideline is not intended to be comprehensive, should not be used as treatment guidelines and should only be used for the purpose of reference or guidance for adjudication procedures and shall not be construed as conclusive. Daman in no way interferes with the treatment of patient and will not bear any responsibility for treatment decisions interpreted through Daman Adjudication Guideline. Treatment of patient is and remains at all times the sole responsibility of the treating Healthcare Provider. This Adjudication Guideline does not grant any rights or impose obligations on Daman. The Adjudication Guideline and all of the information it contains are provided "as is" without warranties of any kind, whether express or implied which are hereby expressly disclaimed.

Under no circumstances will Daman be liable to any person or business entity for any direct, indirect, special, incidental, consequential, or other damages arising out of any use of, access to, or inability to use or access to, or reliance on this Adjudication Guideline including but without limitation to, any loss of profits, business interruption, or loss of programs or information, even if Daman has been specifically advised of the possibility of such damages. Daman also disclaims all liability for any material contained in other websites linked to Daman website.

This Adjudication Guideline is subject to the laws, decrees, circulars and regulations of Abu Dhabi and UAE. Any information provided herein is general and is not intended to replace or supersede any laws or regulations related to the Adjudication Guideline as enforced in the UAE issued by any governmental entity or regulatory authority, or any other written document governing the relationship between Daman and its contracting parties.

This Adjudication Guideline is developed by Daman and is the property of Daman and may not be copied, reproduced, distributed or displayed by any third party without Daman's express written consent. This Adjudication Guideline incorporates the Current Procedural Terminology (CPT®), which is a registered trademark of the American Medical Association ("AMA") and the CPT codes and descriptions belong to the AMA. Daman reserves the right to modify, alter, amend or obsolete the Adjudication Guideline at any time by providing one month prior notice.