

REFERENCES

- Aiker, G. J.:
Computed tomography of the cervical spine by
the cervical spine research society.
J. B. Lippincott Company, Philadelphia, 1983.
- Althoff, B.; Goldie, I.F.:
The arterial supply of the odontoid process of
the axis.
Acta. Orthop. Scand., 48: 622, 1977.
- Altongy, J. F. and Fielding, J. W.:
Combined Atlanto-axial and occipito-atlantal
rotatory subluxation.
J. Bone Joint Surg., 72-A, 6, 923-926, July,
1990.
- Anderson, L. D.:
Fractures of the odontoid process of the axis.
The cervical spine by the cervical spine
research society.
J. B. Lippincot Company, Philadelphia, 1983.
- Anderson, L. D. and D'Alonzo, R. T.:
Fractures of the odontoid process of the axis.
J. Bone Joint Surg., 56A: 1663-1674, 1974.
- Appuzo, M. L. J.; Heiden, J. S.; Weiss, M. H.; Ack-
erson, T. T.; Harvey, J. P. and Kurze, T.:
Acute fractures of the odontoid process. An
analysis of forty-five cases.
J. Neurosurg., 48: 85-91, 1978.
- Blockey, N. J. and Purser, D. W.:
Fractures of the odontoid process of the axis.
J. Bone Joint Surg., 38B: 794, 1956.
- Bohlman, H. H.:
Acute fractures and dislocations of the cervi-
cal spine. An analysis of three hundred hospi-
talized patients and review of the literature.
J. Bone Joint Surg., 61(Am.): 1119-1142, 1979.

Botte, M. J.; Garfin, S.R.; Byrne, T. P.; Woo, S. L. Y. and Nickel, V. L.:
The halo skeletal fixation. Principles of application and maintenance.
clin. Orthop., 239, Feb., 1989.

Brooks, A. L. and Jenkins, E. B.:
Atlanto-axial arthrodesis by the wedge compression method.
J. Bone Joint Surg., 60A: 279-284, 1978.

Bucholz, R. W. and Burkhead, W. Z.:
The pathological anatomy of fatal atlanto-occipital dislocations.
J. Bone Joint Surg., 61A: 248, 1979.

Burkus, J. K. and Deponte, R. J.:
Case report. Chronic atlanto axial rotatory fixation. Correction by cervical traction, Manipulation, and bracing.
J. Pediat. Orthop., 6: 631-635, 1986.

Collalto, P. M.; DeMuth, W. W.; Schwentker, E. P. and Boal, D. K.:
Traumatic atlanto-occipital dislocation, Case report.
J. Bone Joint Surg., 68A, No. 7, 1106-1109, 1986.

Coutts, M. B.:
Atlanto-Epistropheal subluxations.
Arch. Surg., 29: 297-311, 1934.

Dickman, C. A.; Hadley, M. N.; Browner, C. and Sonntag, V. K. H.:
Neurosurgical management of acute atlas-axis combination fractures. A review of 25 cases.
J. Neurosurg., 70: 45-49, 1989.

Dunsker, S. B.; Colley, D. P. and Mayfield, F. H.:
Kinematics of the cervical spine.
Clin. Neurosurg., 25: 174, 1977.

- Effendi, B.; Roy, D. and Coronish, B.:
Fractures of the ring of the atlas.
A classification based on the analysis of 131
cases.
J. Bone Joint Surg., 63B: 319-327, 1981.
- Effendi, B.; Roy, D.; Cornish, B. and Laurin, C. A.:
Locked facets with fracture of the neural arch
of the axis.
Spine, 8: 365, 1983.
- El-Khoury, G. Y.; Clark, C. R. and Gravett, A. W.:
Acute traumatic rotatory atlanto-axial dislo-
cation in children: A report of three cases.
J. Bone Joint Surg. (Am.), 66A: 774-777, 1984.
- Eismont, F. J. and Bohlman, H. H.:
Posterior atlanto-occipital dislocation with
fractures of the atlas and odontoid process,
report of a case with survival.
J. Bone Joint Surg., 60A: 397, 1978.
- Ekong, C. E. U.; Schwartz, M. L.; Tator, C. H.,
Rowed, D. W. and Edmonds, V. E.:
Odontoid fracture: Management with early mobi-
lization using a halo device.
Neurosurg., 9: 631-637, 1981.
- Ersmark, K. H. and Kalen, R.:
Injuries of the atlas and axis:
A follow-up study of 85 axis and 10 atlas
fractures.
Clin. Orthop., 217: 257, 1987.
- Evarts, C. M.:
Traumatic occipito-atlantal dislocation, report
of a case with survival.
J. Bone Joint Surg., 52A: 1653, 1970.
- Fielding, J. W.:
Cineroentgenography of the normal cervical
spine.
J. Bone Joint Surg., 39A: 1280, 1957.

Fielding, J. W.:

Normal and selected abnormal motion of the cervical spine from the second cervical vertebra to the seventh cervical vertebra based on cinerentgenography.

J. Bone Joint Surg., 46A: 1779, 1964.

Fielding, J. W. and Hawkins, R. J.:

Atlanto-axial rotatory fixation (fixed rotatory subluxation of the atlanto axial joint).

J. Bone Joint Surg., 59A: 37, 1977.

Fielding, J. W.; Francis, W. R.; Hawkins, R. J.;
Pepin, J. and Hensinger, R.:

Traumatic spondylolisthesis of the axis.
Clin. Orthop., 239, Feb., 1989.

Fielding, J. W.; Hawkins, R. J. and Ratzan, S. A.:

Spine fusion for atlanto-axial instability.
J. Bone Joint Surg., 58A: 401, 1976.

Fielding, J. W. Hawkins, R. J. and Hensinger, R. N.:

Atlanto axial rotary deformities.
Orthop. Clin. North Am., 9: 955, 1978.

Fielding, J. W.,; Cochran, G. V. B.; Lawsing, J. F.
and Hall, M.:

Tears of the transverse ligament of the atlas,
a clinical and biomechanical study.
J. Bone Joint Surg., 65A: 1681, 1974.

Forsyth, H. F.; Alexander, E.; Davis, C. and Under-
dal, R.:

The advantages of early spine fusion in the
treatment of fracture-dislocation of the cer-
vical spine.

J. Bone Joint Surg., 41A: 17-36, 1959.

Francis, W. R.; Fielding, J. W.; Hawkins, R. J.;
Pepin, J. and Hensinger, R.:

Traumatic spondylolisthesis of the axis.
J. Bone Joint Surg., 63B (3): 313-318.

Gabrielsen, T. O. and Maxwell, J. A.:
Traumatic atlanto-occipital dislocation with
case report of a patient who survived.
A. J. R., 97: 624, 1966.

Georgopoulos, G.; Pizzutillo, P. D. and Lee, M. S.:
Occipito-atlantal instability in children.
J. Bone Joint Surg., 69A: 429, 1987.

Garfin, S. R. and Rothman, R. H.:
Traumatic spondylolisthesis of the axis.
The cervical spine. By the cervical spine
research society.
J. B. Lippincott Company, Philadelphia, 1983.

Gray, s Anatomy
Ed., William, P.L.; Wawick, R.;
Dyson, M.; Bannister, L. H.
Churchill Livingstone, 1989

Griffith, S. C.:
Fractures of the odontoid process in children.
J. Pediat. Surg., 7(7): 680, 1972.

Griswold, D. M.; Albright, J. A. and Schiffman, E.:
Atlanto-axial fusion for instability.
J. Bone Joint Surg., 60A: 285-292, 1978.

Grogono, B. J. S.:
Injuries of the atlas and axis.
J. Bone Joint Surg., 36B: 397-410, 1954.

Grogono B. J. S.:
Injuries of the atlas and axis, congenital and
traumatic.
J. Bone Joint Surg. (Am.), 46A: 1782-1791,
1964.

Grundy, D. J.:
Skull traction and its complications.
Injury, 15: 173-177, 1984.

- Hadley, M. N.; Browner, C. and Snntag, V. K. H:
Axis fractures: A comprehensive review of man-
agement and treatment of 107 cases.
Neurosurg, 17: 281-290, 1985.
- Hadley, M. N.; Dickman, C. A. and Browner, C. M.:
Acute traumatic atlas fractures: Management and
long term outcome.
Neurosurg., 23: 31-35; 1988.
- Han, S. Y.; Witten, D. M. and Musleman, J. P.:
Jefferson fracture of the atlas.
J. Neurosurg., 44: 368, 1976.
- Hawkins, T. D.; The abnormal spine,
A text book of radiological diagnosis,
Vol.I, 455-459.
London, Hik. Lewis & Co.Ltd. 1984.
- Hohl, M.:
Normal motion in the upper portion of the cer-
vical spine.
J. Bone Joint Surg., 46A: 1777, 1964.
- Hohl, M. and Baker, H. R.:
The atlanto-axial joint.
J. Bone Joint Surg., 46A: 1739, 1964.
- Husby, J. and Sorensen, K. H.:
Fracture of the odontoid process of the axis.
Acta. Orthop. Scand., 45: 182-192, 1974.
- Jackson, H.:
The diagnosis of minimal atlanto-axial subluxa-
tion.
Br. J. Radiol. 23: 672, 1950.
- Jevtich, V.:
Horizontal fracture of the anterior arch of the
atlas.
J. Bone Joint Surg., 68A: 1094, 1986.

Jirout, J.:

Changes in the atlas-axis relations on lateral flexion of the head and neck.

Neuroradiology, 6: 215, 1973.

Jofe, M. H.; White, A. A. and Panjabi, M. M.:

Kinematics, the cervical spine. By the cervical spine research society.

J. B. Lippincott Company, Philadelphia, 1983.

Johnson, R. M. and Wolf, J. W.:

Stability, the cervical spine. By the cervical spine research society.

J. B. Lippincott Company, Philadelphia, 1983.

Johnson, R. M.; Owen, J. R.; Dennis, L.; Hart, B. A. and Callahan, R. A.:

Cervical orthoses. A guide to their selection and use.

Clin. Orthop., 154, 1981.

Johnson, R. M.; Hartt, D. L.; Simmons, E. F.; Ramsby, G. R. and Southwick, W. O.:

Cervical orthoses. A study comparing their effectiveness in restricting cervical motion in normal subjects.

J. Bone Joint Surg., 59A: 332-339, 1977.

Kazem, G. H.; Personal communication, 1991.

Kelly, E. G. and Donofrio, R. J.:

The upper cervical spine: A review article.

Orthopaedic survey: 6(6): 1983.

Koch, R. A. and Nickel, V. L.:

The halo vest, an evaluation of motion and forces across the neck.

Spine, 3: 103, 1978.

Kopits, S. E.; Perovic, M. N.; McKusick, V.; Robinson, R. A. and Baily, J. A.:

Congenital atlanto-axial dislocations in various forms of Dwarfism. In proceedings of the American Academy of Orthopaedic Surgeons.

J. Bone Joint Surg., 54A: 1349, 1972.

- Kowalski, H. M.; Cohen, W. A.; Cooper, P. and Wisoff, J. H.:
Pitfalls in the CT diagnosis of atlanto-axial
rotatory subluxation.
Am. J. Roentgenol., 149: 595-600, 1987.
- Last, R. J.:
Anatomy, regional and applied,
Churchill Livingstone, 1985.
- Levine, A. M. and Edwards, C. C.:
Fractures of the atlas.
Orthop. Trans., 8: 7, 1984.
- Levine, A. M. and Edwards, C. C.:
The management of traumatic spondylolisthesis
of the axis.
J. Bone Joint Surg., 67A: 217, 1985.
- Levine, A. M.; Edwards, C. C.:
Treatment of injuries in the C₁-C₂ complex.
Orthop. Clin. of North Am., 17(1): 31-44, 1986.
- Levine, A. M. and Edwards, C. C.:
Traumatic lesions of the occipito atlantoaxial
complex.
Clin. Orthop., 239, 53-68, 1989.
- Lipson, S. J.:
Fractures of the atlas associated with frac-
tures of the odontoid process and transverse
ligament ruptures.
J. Bone Joint Surg., 59A: 940, 1977.
- Maiman, D. J. and Larson, S. J.:
Management of odontoid fractures.
Neurosurg, 11: 471-476, 1982.
- McAfee, P. C.; Bohlman, H. H.; Ducker, T. and Eis-
mont, F. J.:
Failure of stabilization of the spine with
methylmethacrylate.
J. Bone Joint Surg., 68A, 8, 1145-1157, 1986.

Mouradian, W. H.; Fietti, V. G. Jr.; Cochran, G.;
Van, B.; Fielding, J. W. and Young, J.:
Fractures of the odontoid: A laboratory and
clinical study of mechanisms.
Orthop. Clin. North Am., 9: 985-1001, 1978.

Ono, Keiro, Yonenobu, Kazuo, Fuji, Takeshi and Okada,
Kozo:
Atlantoaxial rotatory fixation. Radiographic
study of its mechanism.
Spine, 10: 602-608, 1985.

Penning, L.:
Normal movements of the cervical spine.
Am. J. Roentgenol., 130: 319, 1978.

Penning, L.:
Prevertebral haematoma in cervical spine
injury: Incidence and etiological significance.
Am. J. Neuroradiology: 1: 557-565, 1980.

Penning, L.:
Prevertebral haematome in cervical spine
injury: Incidence and etiologic significance.
A. J. R., 136: 553-561, 1981.

Penning, L:
Obtaining and interpreting plain films in cer-
vical spine injury.
By the cervical spine research society.
J. B. Lippincott Company, Philadelphia, 1983.

Phillips, W. A. and Hensinger, R. N.:
The management of rotatory atlanto-axial sub-
luxation in children.
J. Bone Joint Surg., 71A, 5: 664-668, 1989.

Pierce, D. S. and Barr, J.S.:
Fractures and dislocations at the base of the
skull and upper cervical spine.
In the Cervical Spine Research Society (eds):
The Cervical Spine.
Philadelphia: J. B. Lippincott, 196-205, 1983.

- Powers, B.; Miller, M.; Kramer, R. S.; Martinez, S. and Gehweiler, J. A.:
Traumatic anterior atlanto-occipital dislocation.
Neurosurg., 4: 12, 1979.
- Proubasta, I. R.; Sancho, R. N.; Alonso, J. R. and Palacio, A. H.:
Horizontal fracture of the anterior arch of the atlas.
Spine, 12: 615, 1987.
- Ransford, A. O.; Crockard, H. A.; Pozo, J. L; Thomas, N. P. and Nelson, I. W.:
Craniocervical instability treated by contoured loop fixation.
J. Bone Joint Surg. (Br.), 68B, 173-177, 1986.
- Rayan, M. D. and Taylor, T. K. F.:
Odontoid fractures: A rational approach to treatment.
J. Bone Joint Surg., 64B: 416-421, 1982.
- Raynor, R. B.:
Congenital malformations of the base of the skull and upper cervical spine.
By the Cervical Spine Research Society.
J. B. Lippincott Company, Philadelphia, 1983.
- Roach, J. W.; Duncan, D.; Wenger, D. R.; Maravilla, A. and Maravilla, K.:
Atlanto-axial instability and spinal cord compression in children-Diagnosis by computed tomography.
J. Bone Joint Surg., 66A, 5, 1984.
- Rothman, R. H. and Simeone, F. A. (editors):
The spine, Vol. II. Philadelphia, W. B. Saunders, 1975.
- Sakou, T.; Kawida, H. and Morizono, Y.; Matsunaga, S. and Fielding, J. W.:
Occipito-atlanto axial fusion utilizing of rectangular rod.
Clin.Orthop., 239, 1989.

- Schatzker, J.; Rorabeck, C. H. and Waddell, D. P.:
Fractures of the dens (odontoid process).
An analysis of 37 cases.
J. Bone Joint Surg., 53B: 392-405, 1971.
- Schlicke, L. H. and Callahan, R. A.:
A rational approach to burst fractures of the
atlas.
Clin. Orthop., 154: 18, 1981.
- Schneider, R. C.; Livingston, K. E.; Cave, A. J. E.
and Hamilton, G.:
Hangman's fracture of the cervical spine.
J. Neurosurg., 22: 141, 1965.
- Schiess, R. J.; DeSaussure, R. L. and Robertson, J.
T.:
Choice of treatment of odontoid fractures.
J. Neurosurg., 57: 496-499, 1982.
- Segal, L. S.; Grimm, J. O. and Stauffer, E. S.:
Non-union of fractures of the atlas.
J. Bone Joint Surg., 69A: 1423, 1987.
- Simon, L. P.:
Fractures of the odontoid process in young
children.
J. Bone Joint Surg., 59A: 943, 1977.
- Shapiro, R.; Youngberg, A. S. and Rothman, S. L. G.:
The differential diagnosis of the occipito-
atlanto axial segment.
Radiol. Clin. North Am., 11: 3, 505, 1973.
- Sherk, H. H.:
Fractures of the atlas and odontoid process.
Orth. Clin. North Am., 9: 973, 1978.
- Sherk, H. H. and Park, W. W.:
Normal adult anatomy. The cervical spine.
By the Cervical Spine Research Society.
J. B. Lippincott Company, Philadelphia, 1983.

- Signoret, F.; Feron, J. M.; Bonfait, H. and Patel, A.:
Fractured odontoid with fractured superior articular process of the axis, report of three cases.
J. Bone Joint Surg., 68B: 182, 1986.
- Sonntag, V. K. H. and Hadley, M. N.:
Nonoperative management of cervical spine injuries.
Clin. Neurosurg., 34: 630-649, 1987.
- Spence, K. F.; Decker, S. and Sell, K. W.:
Bursting atlantal fracture associated with rupture of the transverse ligament.
J. Bone Joint Surg., 52A: 543, 1970.
- Steel, H. H.:
Anatomical and mechanical studies of the atlanto-axial articulation.
In Proceedings of the American Orthopaedic Association.
J. Bone Joint Surg., 50A: 1481-1482, 1968.
- Stewart, G. C.; Gehweiler, J. A.; Laib, R. H. and Martinez, S.:
Horizontal fracture of the anterior arch of the atlas.
Radiology, 122: 349, 1977.
- Templeton, P. A.; Young, J. W. R.; Mirvis, S. and Buddemyer, E. U.:
The value of retropharyngeal soft tissue measurements in trauma of the adult cervical spine.
Skeletal Radiology., 30:1, 1987.
- Van Den Bout, A. and Domnise, G. F.:
Traumatic atlanto-occipital dislocation.
Spine 11: 174, 1986.
- Werne, S.:
Studies in spontaneous atlas dislocation.
Acta Orthop. Scand., 23 (Suppl.), 1957.

- White, A. A. III and Panjabi, M. M.:
Clinical Biomechanics of the spine.
Philadelphia, J. B. Lippincott, 1978.
- White, A.A. III and Panjabi, M.M. :
Clinical Biomechanics of the spine.
Philadelphia, J. B. Lippincott, 1984.
- White, A. A. III and Panjabi, M. M.:
The clinical biomechanics of the occipito-atlantoaxial complex.
Orthop. Clin. North Am., 9: 867, 1978.
- White, A. A. and Panjabi, M. M.:
The role of stabilization in the treatment of cervical spine injuries.
Spine 9, 5: 1984.
- Wiesel, S. W. and Rothman, R. H.:
Occipito-atlantal hypermobility.
Spine 4: 187, 1979.
- Wortzman, G. and Dewar, F. P.:
Rotatory fixation of the atlanto axial joint:
Rotational atlanto axial subluxation.
Radiology, 90: 479-487, 1968.
- York, J.; Levine, A. and Edwards, C.:
Acute fractures of the dens.
J. Bone Joint Surg., Orthop. Trans., 8: 7, 1984.