

Contents

Historical review and pioneer work

Parkinson, D.: Carotid cavernous fistula. History and anatomy	3
Taptas, J. N.: Must we still call cavernous sinus the parasellar vascular and nervous crossroads? The necessity of a definite topographical description of the region	30

Anatomy

Conesa, H. A., Zadorecki, E. A., Lozano, M. C.: Gross anatomy of the cavernous region	43
Umansky, F., Nathan, H.: The cavernous sinus. An anatomical study of its lateral wall	56
Knosp, E., Müller, G., Perneczky, A.: The blood supply of the cranial nerves in the lateral wall of the cavernous sinus	67
Brassier, G., Lasjaunias, P., Guegan, Y., Pecker, J.: Microsurgical anatomy of collateral branches of the intracavernous internal carotid artery	81
Knosp, E., Müller, G., Perneczky, A.: Anatomical remarks on the fetal cavernous sinus and on the veins of the middle cranial fossa	104
Krivosic, I.: Histoarchitecture of the cavernous sinus	117

Diagnostic procedures

Bynke, O.: Facial reflex examination for assessment of subclinical trigeminal nerve involvement in the cavernous sinus	133
Bonneville, J. F., Cattin, F., Bouchareb, M.: Dynamic CT scanning of the cavernous sinus	141
Nakano, Y., Toya, S., Kawase, T., Harada, S., Shiga, H.: Radiological grading of tumor extension of the cavernous sinus	144
Komiyama, M., Yasui, T., Baba, M., Hakuba, A., Nishimura, S., Nemoto, Y., Inoue, Y.: MR imaging: normal and invaded cavernous sinus studied with and without Gd-DTPA	152

Hārada, S., Toya, S., Kawase, T., Nakano, Y., Shiga, H.: The utility of intravenous DSA for cavernous sinus venography	162
--	-----

Occlusion techniques

Debrun, G. M.: Embolization techniques in the treatment of vascular lesions involving the cavernous sinus	173
Viñuela, F., Lylyk, P.: Endovascular therapy of vascular lesions of the cavernous sinus. Experience with 129 cases	182
Van der Wer, A. J. M., Peeters, F. L. M.: The detachable balloon technique in the treatment of direct carotid-cavernous fistulas	198
Brassel, F., Wappenschmidt, J., Solymosi, L.: Criteria for the differentiation of high-, moderate-, and low-flow carotid-cavernous sinus fistulas and their treatment with balloon catheters	205
Isamat, F.: Closure of carotid-cavernous fistulas by intracavernous surgical insertion of biological materials	211

Surgery of vascular lesions

Mullan, S.: Carotid cavernous aneurysms and fistulae	225
van Dellen, J. R.: Traumatic carotid aneurysms of the cavernous sinus	233
Pendl, G., Vorkapic, P., Richling, B., Koos, W. T.: Strategies in intracavernous saccular aneurysms	240
Perneckzy, A., Knosp, E., Czech, Th.: Para- and infraclinoidal aneurysms. Anatomy, surgical technique and report on 22 cases	252
Hakuba, A., Matsuoka, Y., Suzuki, T., Komiyama, M., Jin, T. B., Inoue, Y.: Direct approaches to vascular lesions in the cavernous sinus via the medial triangle	272
Sano, H., Jain, V. K., Kato, Y., Hoshino, M., Shoda, M., Tanji, H., Kamei, Y., Katada, K., Kanno, T.: Treatment of internal carotid infraclinoid aneurysms	285
Sano, H., Jain, V. K., Kato, Y., Shoda, M., Tanji, H., Katada, K., Kanno, T.: Direct operation on intracavernous giant aneurysm	288
Dolenc, V. V., Čerk, M., Šusteršič, J., Pregelj, R., Škrap, M.: Treatment of intracavernous aneurysms of the ICA and CCFs by direct approach	297
Lesoin, F., Autricque, A., Villette, L., Franz, K., Jomin, M., Pellerin, P.: The antero-external approach to the internal carotid artery at the base of the skull and intrapetrously	311

Tumor surgery

Lesoin, F., Pellerin, P., Autricque, A., Clarisse, J., Jomin, M.: The direct microsurgical approach to intracavernous tumors	323
Lesoin, F., Pellerin, P., Dhellemmes, P., Jomin, M.: Usefulness of the orbitofrontomalar approach associated with bone reconstruction for frontotemporosphenoid meningiomas	332
Lesoin, F., Franz, K., Pellerin, P., Villette, L., Autricque, A., Jomin, M.: An orbitozygomaticomalar bone flap approach: a technical note	341
Kawase, T., Toya, S., Shiobara, R., Kimura, C., Nakajima, H.: Skull base approaches for meningiomas invading the cavernous sinus	346
Sindou, M., Pelissou, I.: Trigeminal neurinomas. A special type of cavernous sinus tumors	355
Dolenc, V. V., Kregar, T., Ferluga, M., Fettich, M., Morina, A.: Treatment of tumors invading the cavernous sinus	377
Krivosic, I., Jomin, M., Christiaens, J. L., Lesoin, F., Combelles, G., Pruvo, J. P., Reyford, M., Dupont, A.: Pathological aspects in a series of 53 cavernous sinus tumors	392
Loyo, M., Sanchez-Marle, J. F., Del Valle, R., Mares, M.: The transnasal approach to the cavernous sinus	397
Buchfelder, M., Fahlbusch, R.: Transsphenoidal surgery of pituitary adenomas developed towards the cavernous sinus	404