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Published paper: (personal ORCID: 0000-0001-7136-4408) (Riviste Peer-reviewed):

1. **Di Carlo, DT**, et al. (2020) Exploring the clinical association between neurological symptoms and COVID-19 pandemic outbreak: A systematic review of current Literature. *Journal of neurology*
2. **Di Carlo, D.T.**, Capo, G., Fava, A., (...), Froelich, S., Perrini, P (2020). Petroclival meningiomas: the risk of post-operative cranial nerve deficits among different surgical approaches—a systematic review and meta-analysis. *Acta Neurochirurgica*. doi: [10.1007/s00701-020-04395-6](https://doi.org/10.1007/s00701-020-04395-6)
3. **Di Carlo, D. T.**, Voormolen, E. H., Passeri, T., Champagne, P. O., Penet, N., Bernat, A. L., & Froelich, S. (2020). Hybrid antero-lateral transcondylar approach to the clivus: a laboratory investigation and case illustration. *Acta Neurochirurgica*, 1-10. doi: 10.1007/s00701-020-04343-4
4. **Di Carlo, D. T.**, Voormolen, E. H., Passeri, T., Champagne, P. O., Penet, N., Bernat, A. L., & Froelich, S. (2020). Hybrid antero-lateral transcondylar approach to the clivus: a laboratory investigation and case illustration. *Acta Neurochirurgica*, 1-10. doi: 10.1007/s00701-020-04343-4
5. **Di Carlo DT**, Cagnazzo F, Benedetto N, Morganti R, Perrini P (2019) Multiple high-grade gliomas: epidemiology, management, and outcome. A systematic review and meta-analysis. *Neurosurg Rev*. doi: 10.1007/s10143-017-0928-7
6. **Di Carlo DT**, Cagnazzo F, Anania Y, Duffau H, Benedetto N, Morganti R, Perrini P (2019) Post-operative morbidity ensuing surgery for insular gliomas: a systematic review and meta-analysis. *Neurosurg Rev*. doi: 10.1007/s10143-019-01113-4
7. **Di Carlo DT**, Benedetto N, Duffau H, Cagnazzo F, Weiss A, Castagna M, Cosottini M, Perrini P (2019) Microsurgical anatomy of the sagittal stratum. *Acta Neurochir (Wien)* 161(11):2319–2327
8. **Di Carlo DT**, Duffau H, Cagnazzo F, Benedetto N, Morganti R, Perrini P (2018) IDH wild-type WHO grade II diffuse low-grade gliomas. A heterogeneous family with different outcomes. Systematic review and meta-analysis. *Neurosurg Rev*. doi: 10.1007/s10143-018-0996-3
9. Weiss, A., **Di Carlo, D. T.**, Di Russo, P., Weiss, F., Castagna, M., Cosottini, M., & Perrini, P. (2021). Microsurgical anatomy of the amygdaloid body and its connections. *Brain Structure and Function*, 226(3), 861-874.
10. Di Russo P, **Di Carlo DT**, Lutenberg A, Morganti R, Evins AI, Perrini P (2019) Shunt-dependent hydrocephalus after aneurysmal subarachnoid hemorrhage. A systematic review and meta-analysis. *J Neurosurg Sci*. doi: 10.23736/S0390-5616.19.04641-1
11. Cagnazzo F, **Di Carlo DT**, Petrella G, Perrini P (2018) Ventriculostomy-related hemorrhage in patients on antiplatelet therapy for endovascular treatment of acutely ruptured intracranial aneurysms. A meta-analysis. *Neurosurg Rev* 1–10
12. Cagnazzo, F., Chalard, K., Lefevre, P. H., Garnier, O., Derraz, I., Dargazanli, C., (...), **Di Carlo, D. T.**, et al (2020). Optimal intracranial pressure in patients with aneurysmal subarachnoid hemorrhage treated with coiling and requiring external ventricular drainage. *Neurosurgical Review*. doi: 10.1007/s10143-020-01322-2
13. Perrini P, Anania Y, Cagnazzo F, Benedetto N, Morganti R, and **Di Carlo DT** (2020) Radiological outcome after surgical treatment of syringomyelia-Chiari I complex in adults: a systematic review and meta-analysis. *Neurosurg Rev*. doi: 10.1007/s10143-020-01239-w
14. Cagnazzo F, Lefevre P-H, Derraz I, Dargazanli C, Gascou, G, **Di Carlo, DT** et al (2020) Flow-diversion treatment for unruptured nonsaccular intracranial aneurysms of the posterior and distal anterior circulation: A meta-analysis. *Am J Neuroradiol* 41(1):134–139
15. Cagnazzo F, Lefevre P-H, Mantilla D, Rouchaud A, Morganti R, PerriniP, **Di Carlo DT** et al (2019) Patency of the supraclinoid internal carotid artery branches after flow diversion treatment. A meta-analysis. *J Neuroradiol* 46(1):9–14

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17. Cagnazzo, F., Perrini, P., Lefevre, P. H., Gascou, G., Dargazanli, C., Riquelme, C., Derraz, I., **Di Carlo, DT**, Bonafe, A., Costalat, V (2019) Comparison of Prasugrel and Clopidogrel Used as Antiplatelet Medication for Endovascular Treatment of Unruptured Intracranial Aneurysms: A Meta-Analysis. *Am J Neuroradiol*. doi: 10.3174/ajnr.A6004
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20. Cagnazzo F, Limbucci N, Nappini S, Renieri L, Rosi A, Laiso A, **Di Carlo DT**, Perrini P, Mangiafico S (2019) Y-Stent-Assisted Coiling of Wide-Neck Bifurcation Intracranial Aneurysms: A Meta-Analysis. *AJNR Am J Neuroradiol* 40(1):122–128
21. Cagnazzo F, Mantilla D, Rouchaud A, Brinjikji, W., Lefevre, P.-H., Dargazanli, C., Gascou, G., Riquelme, C., Perrini, P., **Di Carlo, DT**, et al (2018) Endovascular treatment of very large and giant intracranial aneurysms: Comparison between reconstructive and deconstructive techniques - A meta-analysis. *Am J Neuroradiol*. doi: 10.3174/ajnr.A5591
22. Cagnazzo F, **Di Carlo DT**, Cappucci M, Lefevre P, Costalat V, Perrini P (2018) Acutely Ruptured Intracranial Aneurysms Treated with Flow-Diverter Stents : A Systematic Review and Meta-Analysis. 1–7
23. Cagnazzo F, Cappucci M, Lefevre P-H, Dargazanli, C., Gascou, G., Morganti, R., Mazzotti, V., **Di Carlo, DT**, et al (2018) Treatment of intracranial aneurysms with self-expandable braided stents: A systematic review and meta-analysis. *Am J Neuroradiol*. doi: 10.3174/ajnr.A5804
24. Benedetto N, Gambacciani C, Aquila F, **Di Carlo DT**, Morganti R, Perrini P (2017) A new quantitative method to assess disproportionately enlarged subarachnoid space (DESH) in patients with possible idiopathic normal pressure hydrocephalus: The SILVER index. *Clin Neurol Neurosurg*. doi: 10.1016/j.clineuro.2017.04.015