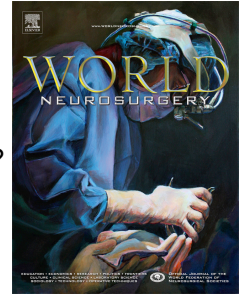


# Accepted Manuscript



“Is possible to evaluate the ideal cervical alignment for each patient needing surgery?  
An easy rule to determine the appropriate cervical lordosis in pre-operative planning”

Marco Ajello, MD, Nicola Marengo, MD, Giulia Pilloni, MD, Federica Penner, MD,  
Giovanni Vercelli, MD, Federico Pecoraro, MD, Francesco Zenga, MD, Alexander R.  
Vaccaro, Professor, Alessandro Ducati, Professor, Diego Garbossa, MD

PII: S1878-8750(16)30967-6

DOI: [10.1016/j.wneu.2016.09.110](https://doi.org/10.1016/j.wneu.2016.09.110)

Reference: WNEU 4650

To appear in: *World Neurosurgery*

Received Date: 9 July 2016

Revised Date: 17 September 2016

Accepted Date: 20 September 2016

Please cite this article as: Ajello M, Marengo N, Pilloni G, Penner F, Vercelli G, Pecoraro F, Zenga F, Vaccaro AR, Ducati A, Garbossa D, “Is possible to evaluate the ideal cervical alignment for each patient needing surgery? An easy rule to determine the appropriate cervical lordosis in pre-operative planning”, *World Neurosurgery* (2016), doi: 10.1016/j.wneu.2016.09.110.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

*“Is possible to evaluate the ideal cervical alignment for each patient needing surgery? An easy rule to determine the appropriate cervical lordosis in pre-operative planning”.*

Marco Ajello\*, Nicola Marengo\*, Giulia Pilloni\*, Federica Penner\*, Giovanni Vercelli\*, Federico Pecoraro\*, Francesco Zenga\*, Alexander R. Vaccaro<sup>o</sup>, Alessandro Ducati\*, Diego Garbossa\*

*\*Department of Neuroscience (Neurosurgery Section), University of Turin, Italy*

*<sup>o</sup>Department of Orthopaedic Surgery, The Rothman Institute at Thomas Jefferson University, Philadelphia, Pennsylvania, United States*

[m.ajello84@gmail.com](mailto:m.ajello84@gmail.com), MD

[nicola.marengo@gmail.com](mailto:nicola.marengo@gmail.com), MD

[giulia.pilloni@libero.it](mailto:giulia.pilloni@libero.it), MD

[federica.penner@gmail.com](mailto:federica.penner@gmail.com), MD

[vercelligg@gmail.com](mailto:vercelligg@gmail.com), MD

[federicopecoraro83@gmail.com](mailto:federicopecoraro83@gmail.com), MD

[zengafra@hotmail.com](mailto:zengafra@hotmail.com), MD

[alexvaccaro3@aol.com](mailto:alexvaccaro3@aol.com), Professor

[aducati.nch@gmail.com](mailto:aducati.nch@gmail.com), Professor

[dgarbossa@gmail.com](mailto:dgarbossa@gmail.com), MD

**Corresponding author:** Pilloni Giulia, [giulia.pilloni@libero.it](mailto:giulia.pilloni@libero.it), *Department of Neuroscience (Neurosurgery Section), University of Turin, Italy. Via Cherasco 15*

**Key words:** cervical sagittal alignment, cervical lordosis, cervical degenerative disease

**Abbreviation list:** Sagittal Vertical Axis (SVA), Neck Disability Index (NDI), Visual Analog Scale (VAS), chin brow vertical angle (CBVA), T1 Slope (T1 SL), cervical lordosis (CL), C2-C7 sagittal vertical axis (C2-C7 SVA), C7 Slope (C7-SL), ratio between CL and C7 SL (CL/C7 SL), anterior cervical discectomy and fusion (ACDF), Infnitt PACS (picture archiving communication system)

Download English Version:

<https://daneshyari.com/en/article/5634743>

Download Persian Version:

<https://daneshyari.com/article/5634743>

[Daneshyari.com](https://daneshyari.com)