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A new minimally invasive technique for primary unstable C2 Spondylolysis in an 8-year-old child: A case report and review of the literature

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1 **Title:** A new minimally invasive technique for primary unstable C2 Spondylolysis
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4 **Short Title:** New minimally invasive technique for primary unstable C2
5 Spondylolysis in a child.

6

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23 invasive; pediatric spine

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25 New minimally invasive technique for primary unstable C2 Spondylolysis in a child.

26

27 Introduction

28 Posterior arch defects including congenital absence of a cervical pedicle and cervical
29 spondylolysis are rare conditions usually found incidentally after minor trauma or
30 complaints of chronic neck pain^{1,2}. Perlman first described cervical spondylolysis in
31 1951 as a defect that allowed both forward migrations of the superior vertebra³. The
32 Lower cervical spine is most commonly involved as C6 accounts for about 75% of
33 cases described in the literature⁴⁻⁶. The typical radiologic triad of C2 Spondylolysis is

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