**HD120™ MLC High-Definition Multileaf Collimator Bibliography**

*This bibliography is a comprehensive selection of articles but is not necessarily an exhaustive list of literature pertaining to SRS and SBRT.*

### For Stereotactic Radiosurgery (SRS) and Stereotactic Body Radiotherapy (SBRT)


Subramanian SV, Subramani V, Thirumalai Swamy S, Gandhi A, Chilukuri S, Kathirvel M. **Is 5 mm MMLC suitable for VMAT-based lung SBRT? A dosimetric comparison with 2.5 mm HDMLC using RTOG-0813 treatment planning criteria for both conventional and high-dose flattening filter-free photon beams.** J Appl Clin Med Phys. 2015 Jul;16(4):5415. Bharathiar University, India

Serna A, Puchades V, Mata F, Ramos D, Alcaraz M. **Influence of multi-leaf collimator leaf width in radiosurgery via volumetric modulated arc therapy and 3D dynamic conformal arc therapy.** Phys Med. 2015 May;31(3):293-6. Santa Lucia University Hospital, Murcia, Spain


Chae SM, Lee GW, Son SH. **The effect of multileaf collimator leaf width on the radiosurgery planning for spine lesion treatment in terms of the modulated techniques and target complexity.** Radiat Oncol. 2014 Mar 8;9(1):72. Cheju Halla General Hospital, Jeju, Korea


Wang L, Kielar KN, Mok E, Hsu A, Dieterich S, Xing L. **An end-to-end examination of geometric accuracy of IGRT using a new digital accelerator equipped with onboard imaging system.** Phys Med Biol. 2012 Feb 7;57(7):757-69. Stanford University Medical Center, Palo Alto, CA


Ohtakara K, Hayashi S, Tanaka H, Hoshi H. **Dosimetric comparison of 2.5 mm vs. 3.0 mm leaf width micro-multileaf collimator-based treatment systems for intracranial stereotactic radiosurgery using dynamic conformal arcs: implications for treatment planning.** Jpn J Radiol. 2011 Nov;29(9):630-38. Gifu University Graduate School of Medicine, Gifu, Japan

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Sharma DS, Dongre PM, Mhatre V, Heigrujam M. Physical and dosimetric characteristic of high-definition multileaf collimator (HDMLC) for SRS and IMRT. J Appl Clin Med Phys. 2011 Apr;12(3):3475. Kokilaben Dhirubhai Ambani Hospital, Mumbai, India


