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Abnormal Hedgehog pathway in myelodysplastic syndrome and its impact on the patients' outcome

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Contributions: JMX designed the study and experiments, performed all the experiments, statistical analyses and manuscript preparation. FVP, PMC and FT performed patient follow up, clinical data collection, data analysis, and manuscript preparation. MRL, PLF, KSAB, AID helped with the experiments, analysis and edition of the manuscript. PF, JV and STOS contributed to the study design, data analyses and manuscript writing. All authors have read, commented on, and approved the final manuscript. The authors report no potential conflicts of interest.