

SUMMARY

The aim of this thesis was to discuss new surgical approaches of spinal artificial intervertebral components used for AIS and give some ideas for further research on physiotherapeutical approaches to this. The method used was a critical review and I have used many journals, through the Charles University access to medical journals. I have found around a hundred and twenty articles related to this problem directly or indirectly. By comparing contents of these articles I conclude that new technologies bring to the problem new aspects and these aspects are connected with updating the physiotherapeutic approach. I can conclude that it's possible to use a traditional physiotherapeutic approach for now, until further research has been done with specific treatment methods on patients.