

## MINI-INVASIVE ANTERIOR APPROACH AND LATERAL HARDINGE APPROACH IN HIP ARTHROPLASTY

Serban DRAGOSLOVEANU<sup>1</sup>

Cristian STOICA<sup>2</sup>

Calin DRAGOSLOVEANU<sup>3</sup>

Stefan CRISTEA<sup>4</sup>

---

**INTRODUCTION:**THE NUMBER OF PATIENTS THAT HAVE BENEFICIATED FROM A BILATERAL HIP ARTHROPLASTY USING MINI-INVASIVE SURGERY ON ONE SIDE AND LATERAL HARDINGE APPROACH ON THE OTHER SIDE IS RELATIVELY SMALL.WE THINK THAT ANALISING THESE PATIENTS IS THE MOST OBJECTIVE METHOD FOR COMPARING THESE TWO DIFFERENT SURGICAL APPROACHES.

**METHOD:**24 PATIENTS HAVE BEEN OPERATED IN OUR HOSPITAL BY THE SAME SURGICAL TEAM.FOR 21 PATIENTS WE USED UNCEMENTED PROSTHESIS AND FOR THE OTHER 3 CEMENTED.SURGERY FOR ONE HIP WAS DONE USING LATERAL HARDINGE APPROACH AND ON THE OTHER MINI-INVASIVE ANTERIOR APPROACH.FOR EVALUATION WE USED DALLAS PAIN QUESTIONNAIRE AND HARRIS SCORE.WE COUNTED POSTOPERATIVE BLEEDING, TIME HOSPITALIZATION AFTER SURGERY AND DURATION UNTIL FULL WEIGHTBEARING.

**RESULTS:**ANTERIOR APPROACH IS MUCH MORE TIME CONSUMING (ON AVERAGE 82MINUTES) COMPARED TO HARDINGE APPROACH (37 MINUTES).BLOODLOSS IS LESSER FOR MINI-INVASIVE SURGERY (AVERAGE 380ML) COMPARED TO LATERAL APPROACH (570ML).FOR ANTERIOR APPROACH ALL PATIENTS HAD EXCELLENT DALLAS AND HARRIS SCORES POSTOP.THIS DIFFERENCE TENDS TO NORMALIZE BETWEEN THESE TWO TYPES OF SURGERY AT 6 MONTHS.95.83% OF PATIENTS WERE MORE SATISFIED WITH THE MINI-INVASIVE TECHNIQUE.ONE PATIENT ACCUSED PAIN IN THE ANTERO-MEDIAL REGION OF THE TIGH.

**CONCLUSION:**USING THE ANTERIOR APPROACH INCREASES THE PATIENT'S COMFORT, APARENTLY IS MORE SAFE, THE DAMAGE TO THE TISSUES IS REDUCED BUT IT IS TIME CONSUMING AND IT NEEDS AN EXCELLENT SURGICAL TECHNIQUE.

---

**KEYWORDS:** MINI-INVASIVE SURGERY,RECOVERY, HOSPITALIZATION

---

<sup>1</sup> Sp.Foisor, Sectia Ortopedie 2, Bucuresti

<sup>2</sup> Sp.Foisor, Sectie Ortopedie 1, Conferentiar UMF Carol Davila, Bucuresti

<sup>3</sup> Sp.Foisor, Sectia Ortopedie 2, Bucuresti

<sup>4</sup> Sp.Sf.Pantelimon, Profesor UMF Carol Davila, Bucuresti