

Anterior Cervical Discectomy and Fusion (ACDF) on C5-C6 and C6-C7

Courtesy of Dr. Kristel Vanchaze, Neurosurgeon, AZ Sint-Lucas in Ghent (Belgium)



The patient is a 48-year-old male. He is placed in a supine position. The C-arm is placed perpendicularly to the patient table to get a lateral view of the neck, excluding the shoulders. The angulation is maintained during the entire procedure. The anatomical profile is set to Spine. Fluoroscopy mode is standard continuous. C5-C6 discectomy and fusion.



Lateral view of C5-C6 and C6-C7 disc compression



C5-C6 cage in place, first screw insertion



Final control of C5-C6 cage in place, with its two screws in position



C6-C7 discectomy is performed using a microscope



C6-C7 cage placement



C6-C7 cage fixation with first screw



C6-C7 cage fixation with second screw



A total of 43 series of images were taken with a total exposure time of 1 minute and 5 seconds and the total DAP was 2 Gy.cm².



Dr. Kristel Vanchaze is a neurosurgeon working at AZ Sint-Lucas in Ghent and AZ Alma in Eeklo since 2016. She acts as head of department at AZ Alma in Eeklo. She focuses specifically on basic skull surgery, vascular neurosurgery, minimally-invasive spinal surgery, and peripheral nerve surgery.