



Online Training

Case Study: Recognizing Lipomatosis of the Nerve

Date: Feb. 10 and, 2021

Time: 11:00 AM-1:00 PM

<https://umu.zoom.us/j/63084325585?pwd=bkVhRVdZTWEvK2h6V0RSTFBvaDRaZz09>

ediTec



INT@E

Innovative Technologies and Education



Disclaimer: this project has been funded with support from the European commission. This publication [communication] reflects the views only of the author, and the commission cannot be held responsible for any use which may be made of the information contained there in

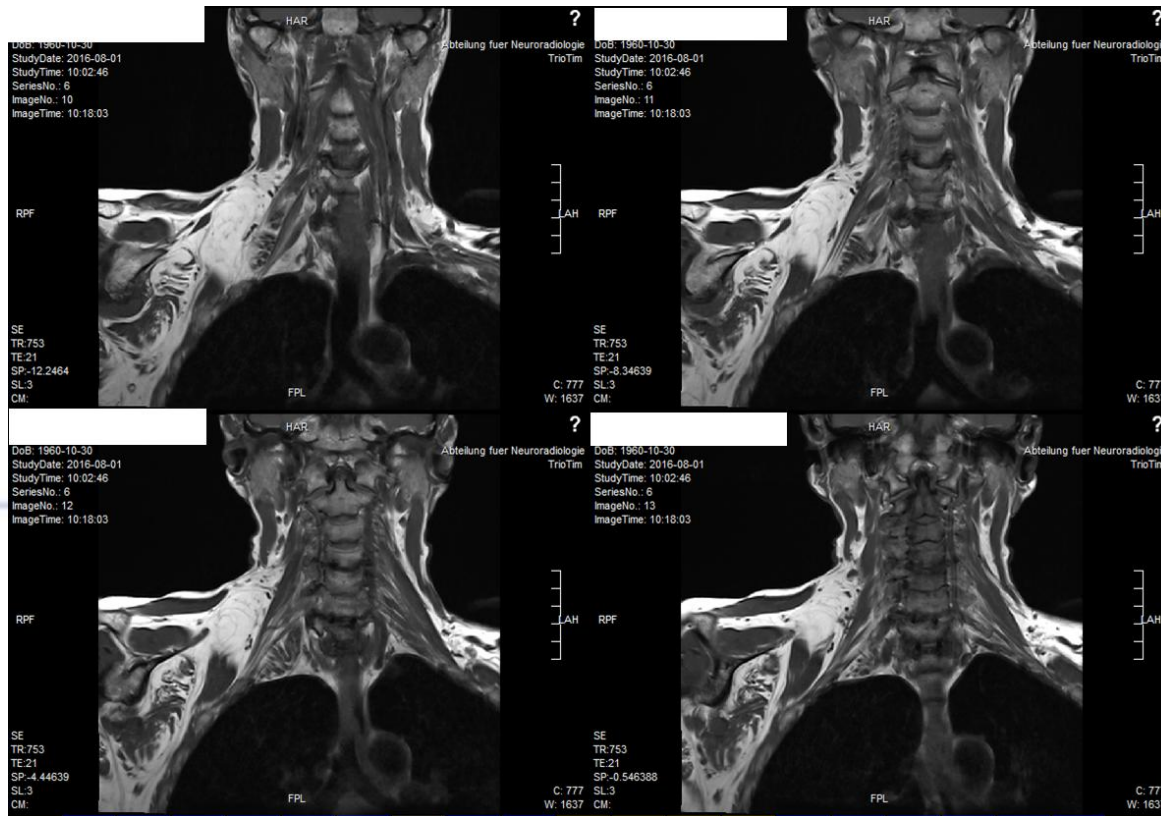
MediTec Project Number:585980-EPP- 1-2017- 1-DE- CBHE-JP



Case report

Patient with brachial pain at the right side with movement restrictions of the right hand, which are associated with hypoaesthesia and paresthesia. After several operations of the cervical spine an MRI of the arm plexus was performed for further diagnostics, in which a weak contrast-affine, inhomogeneous tumor on the right side with supra- and infraclavicular parts was displayed.



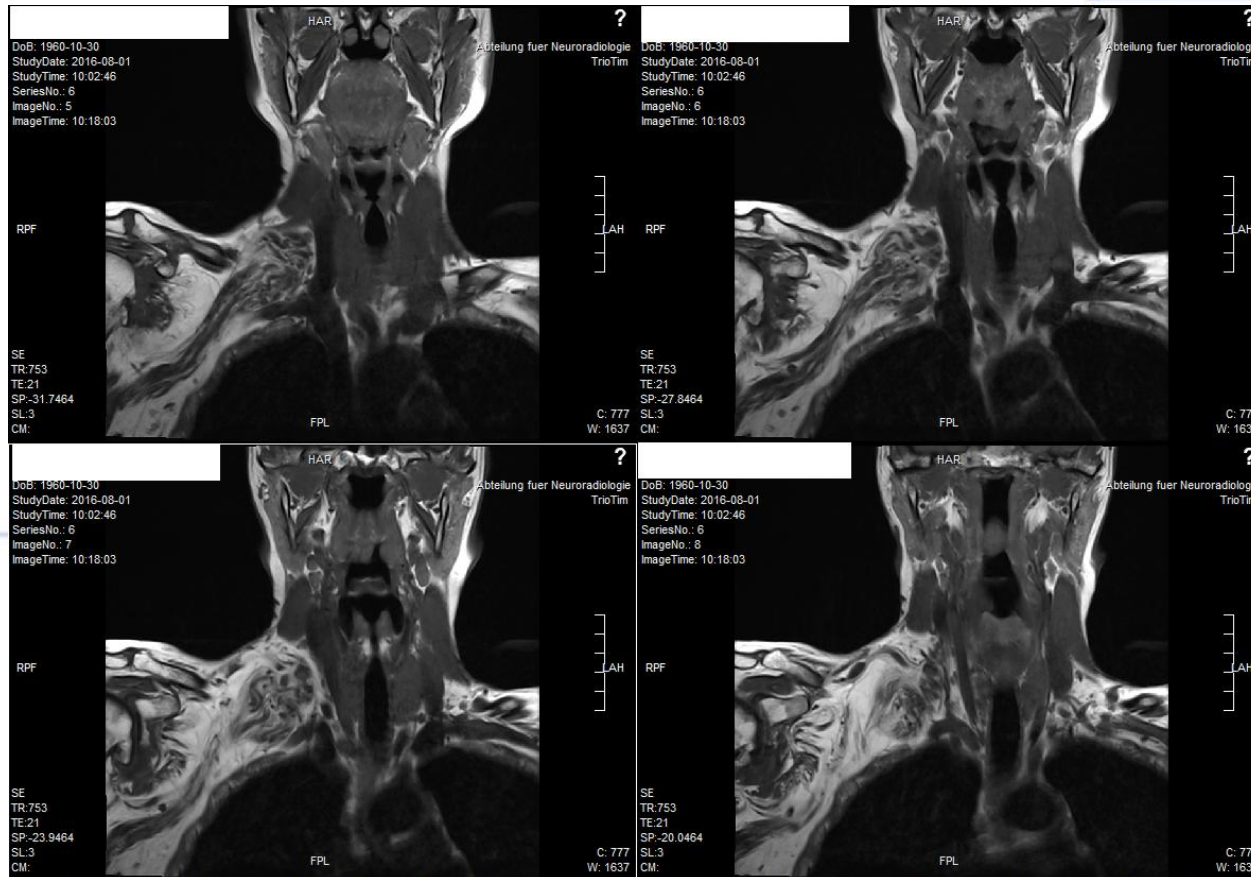


T2-weighted coronal image demonstrates an extraneural lipoma was posterior to the affected nerves after they exited the scalene triangle





Co-funded by the
Erasmus+ Programme
of the European Union

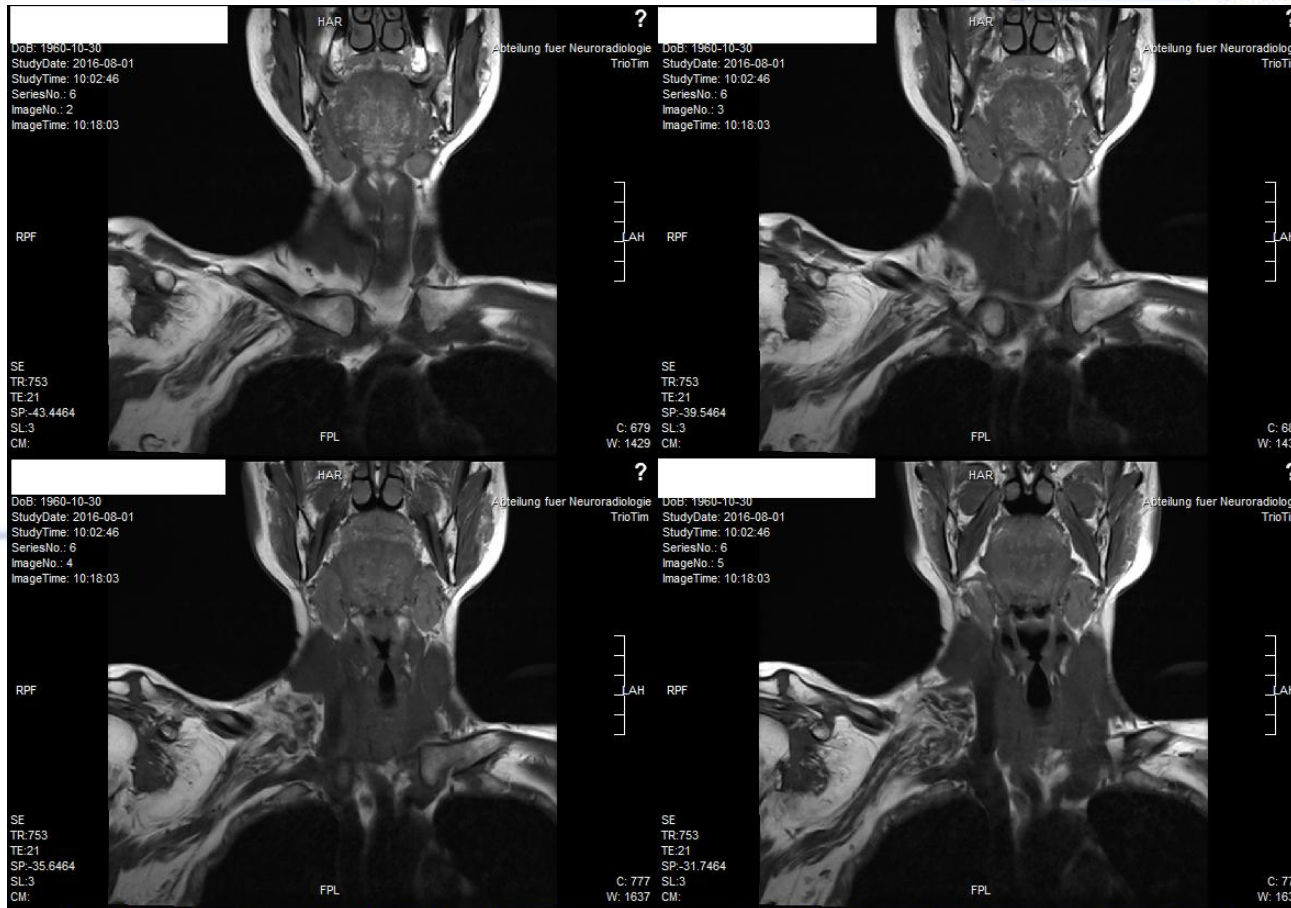


diTec

T2-weighted coronal image demonstrates the enlargement of the entire brachial plexus

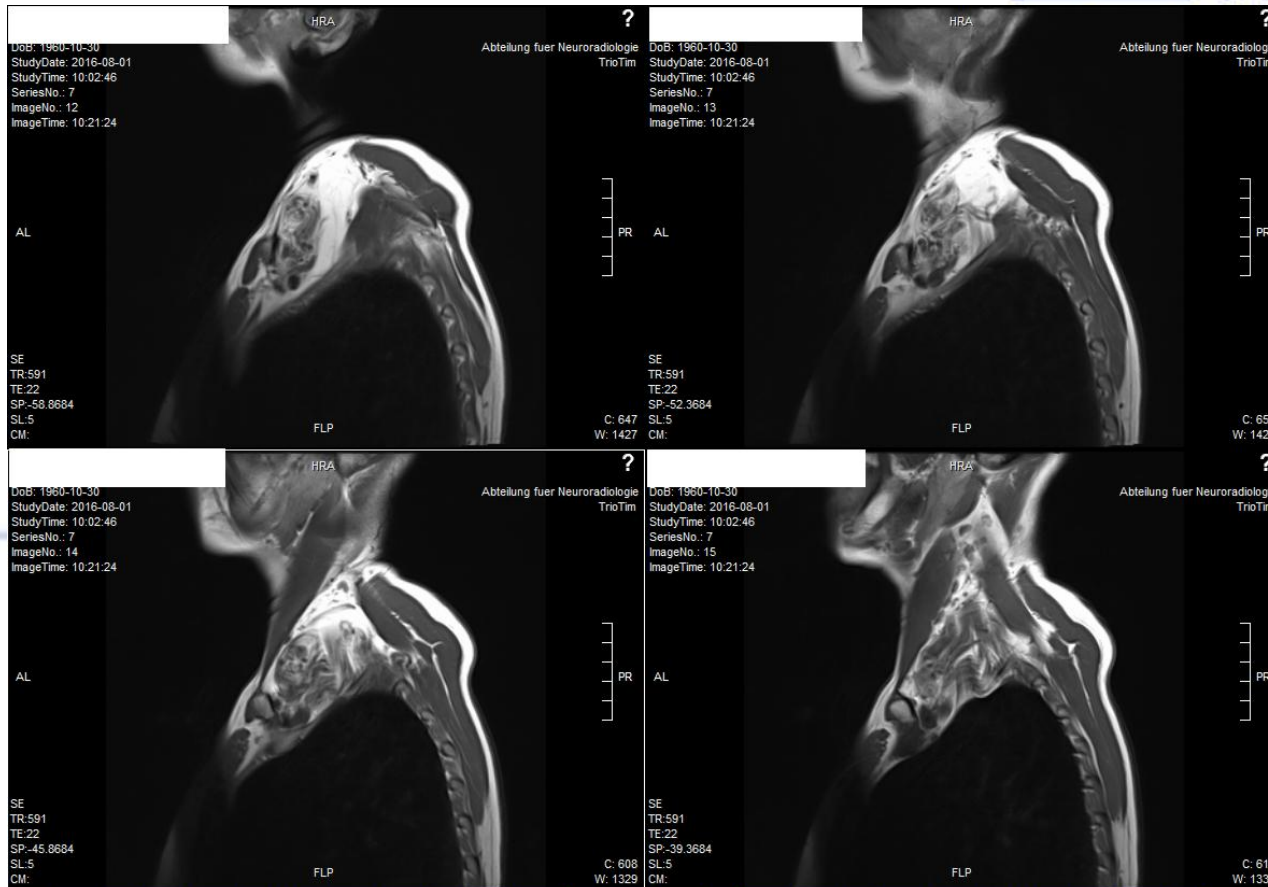


MediTec Project Number:585980-EPP- 1-2017- 1-DE- CBHE-JP



The T2-weighted coronal image demonstrates the overgrowth of the acromion and coracoid process

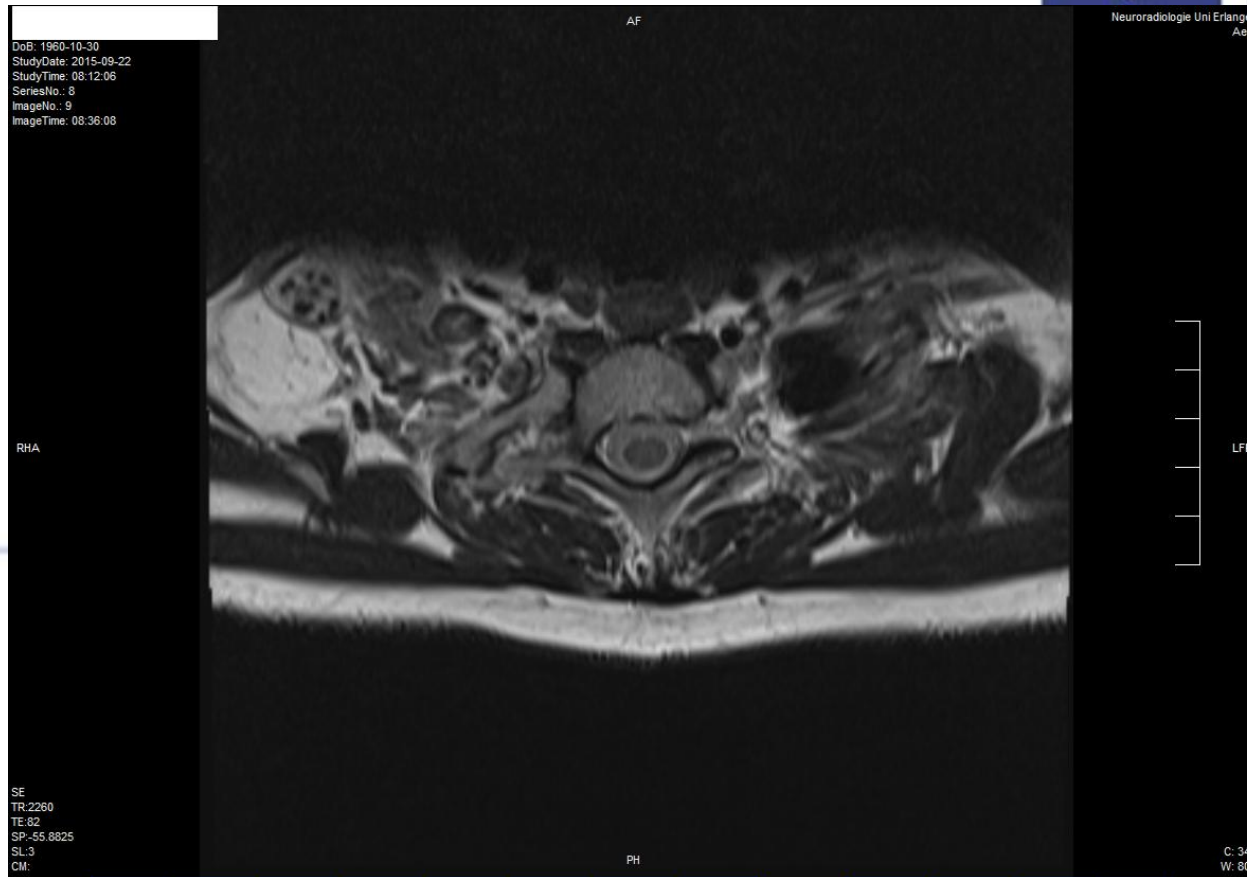




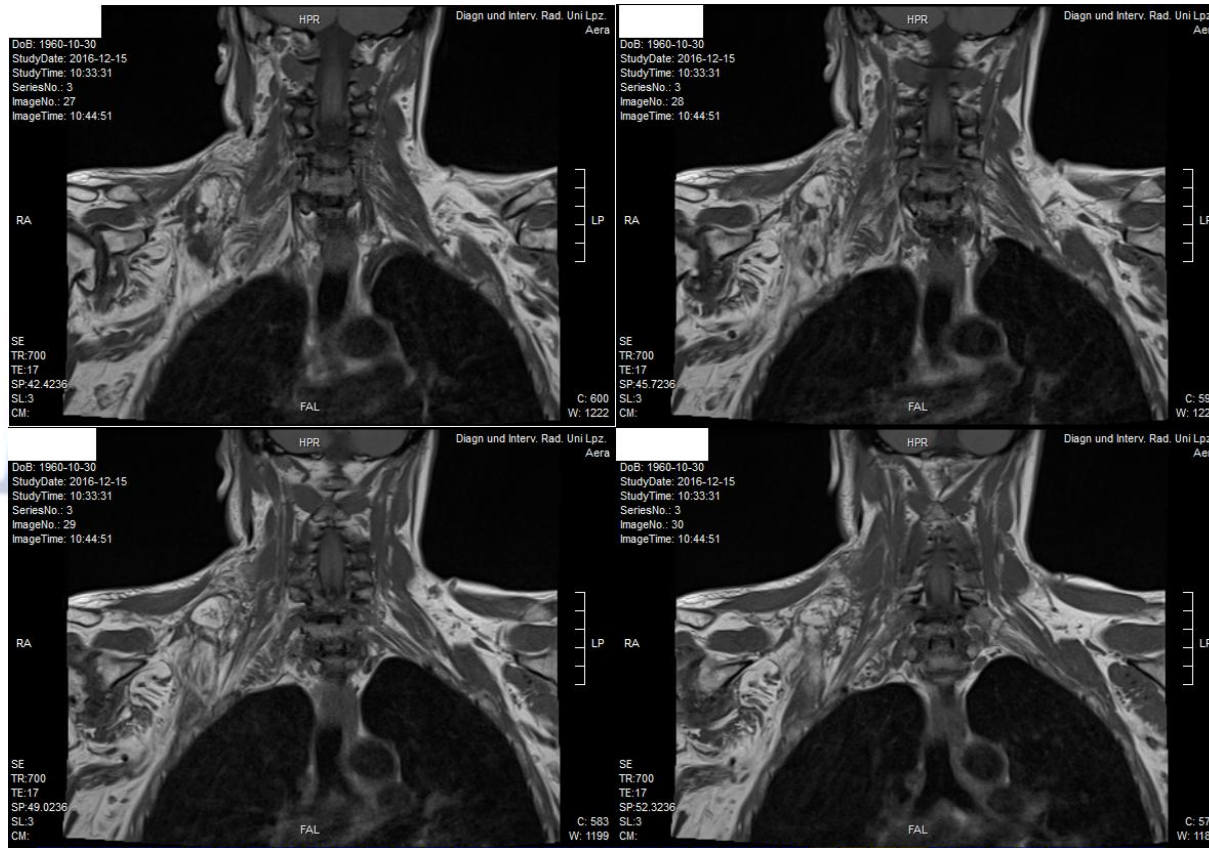
iTec

T2-weighted sagittal image





The same relationship can be seen in the axial T2-weighted cross-sectional imaging depicting the cable-like appearance of the brachial plexus (solid arrow) and the extraneural lipoma (hollow arrow)

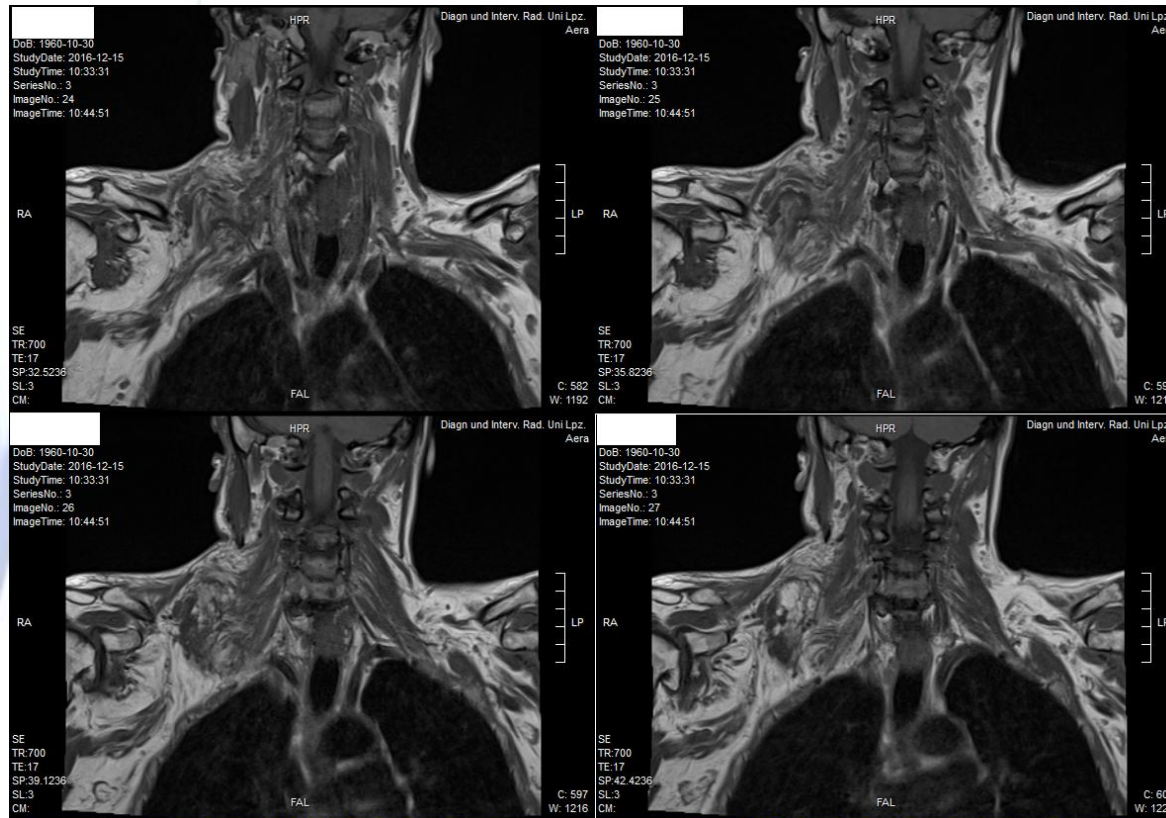


iTec





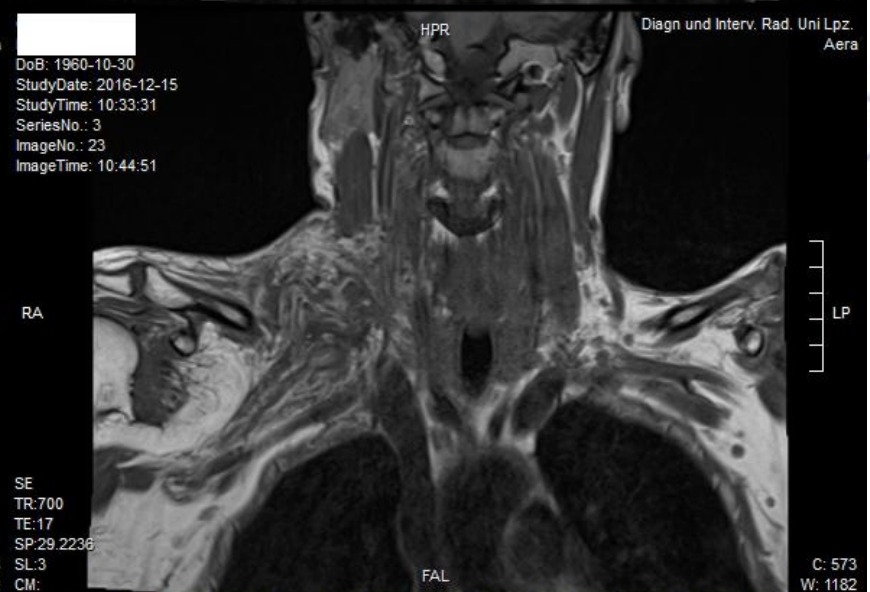
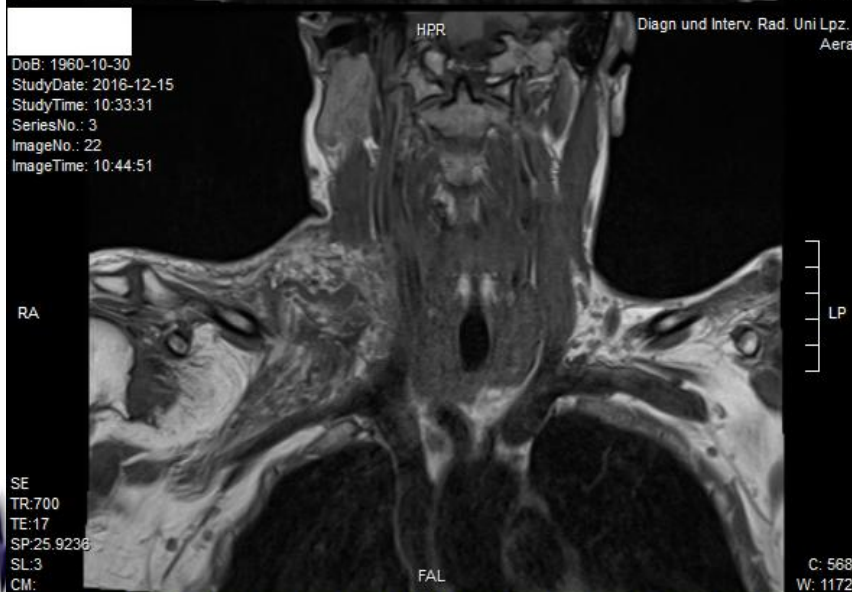
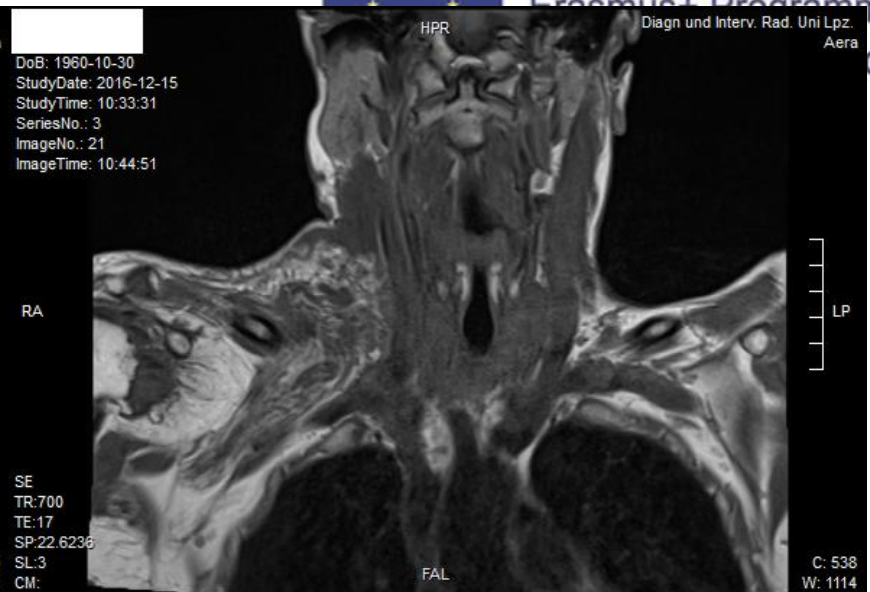
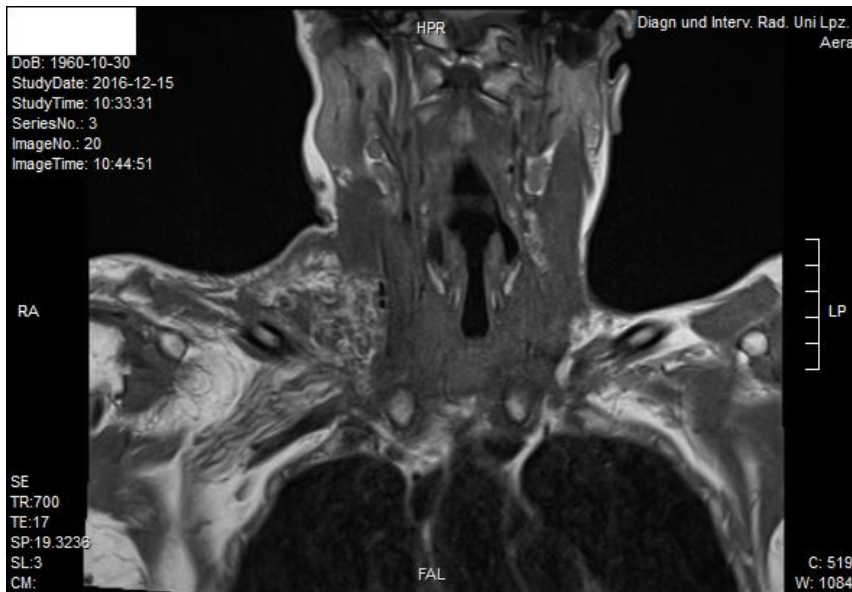
Co-funded by the
Erasmus+ Programme
of the European Union



iTec

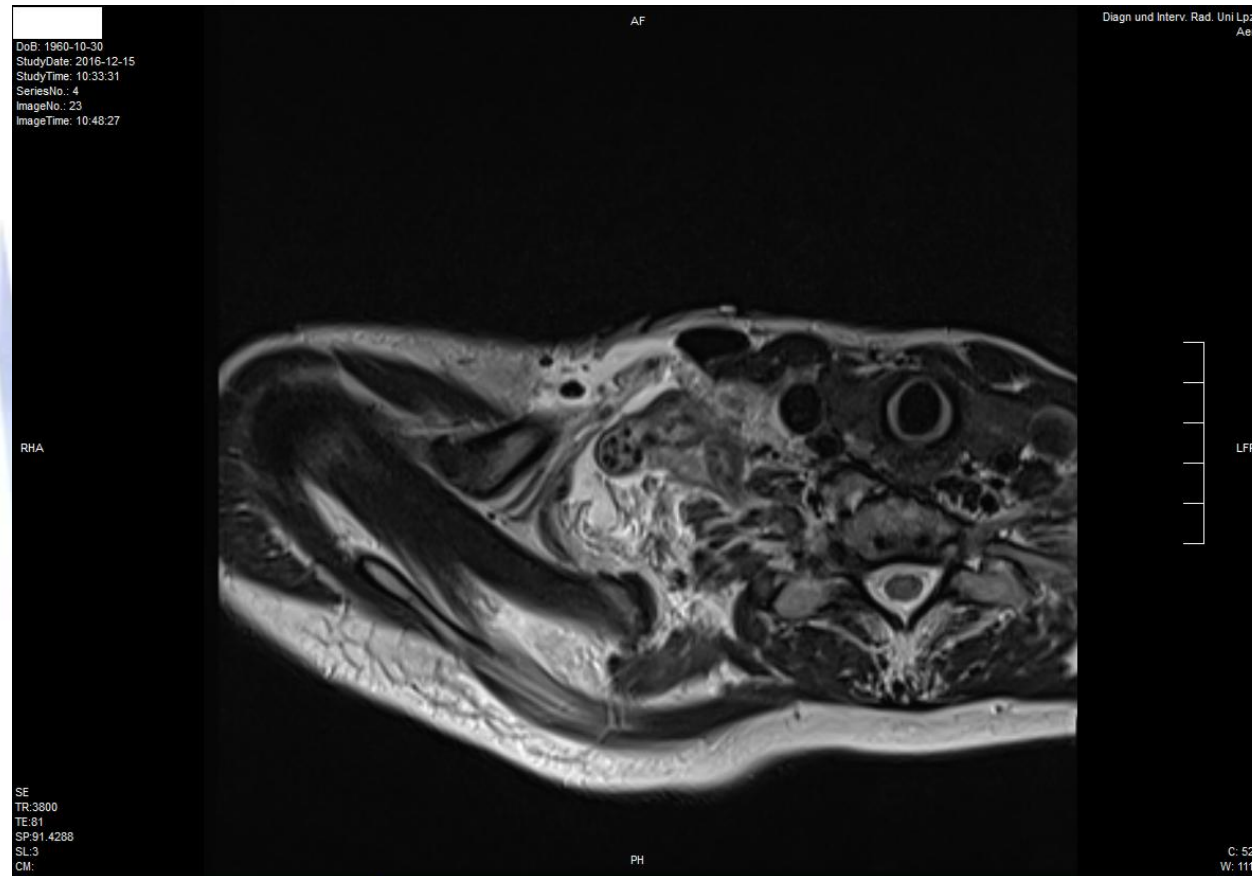


MediTec Project Number:585980-EPP- 1-2017- 1-DE- CBHE-JP





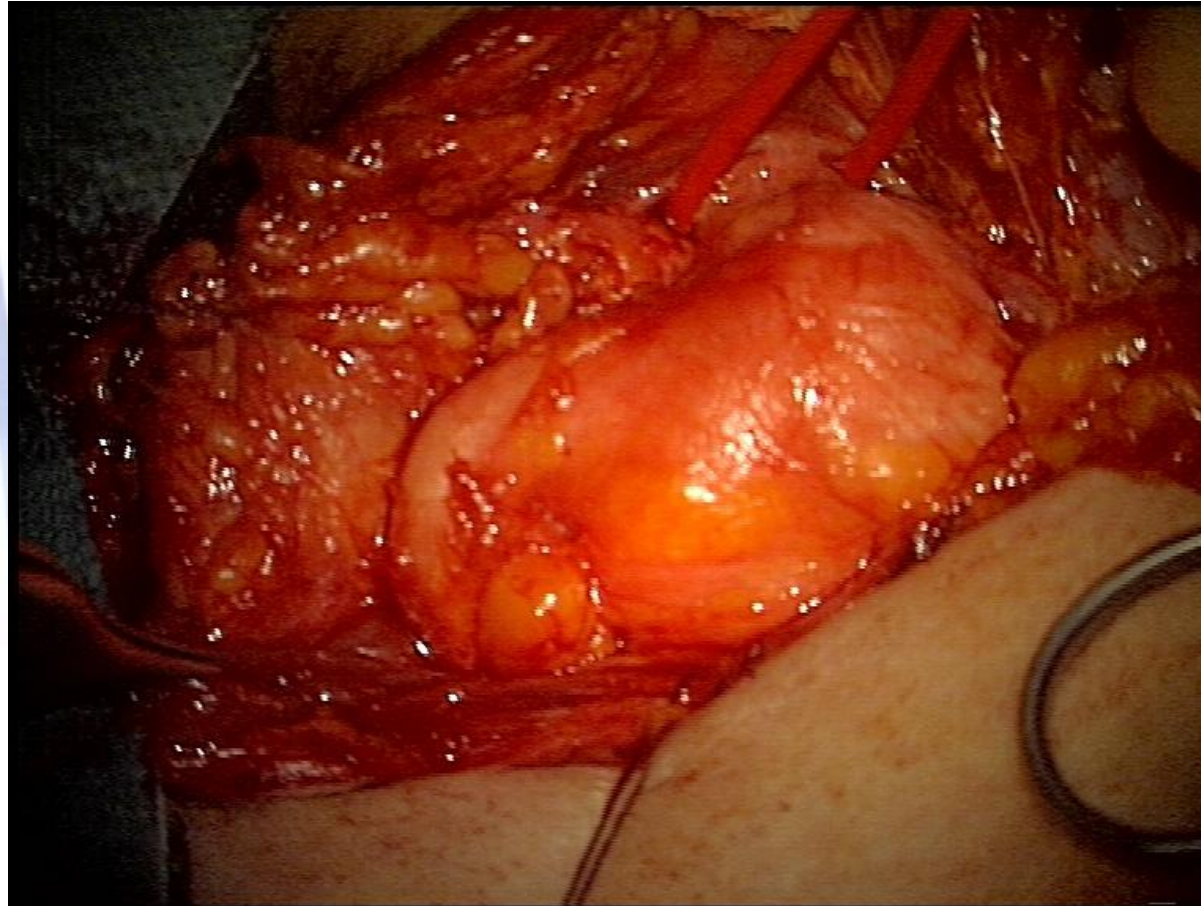
Co-funded by the
Erasmus+ Programme
of the European Union



MediTec Project Number:585980-EPP- 1-2017- 1-DE- CBHE-JP



Co-funded by the
Erasmus+ Programme
of the European Union



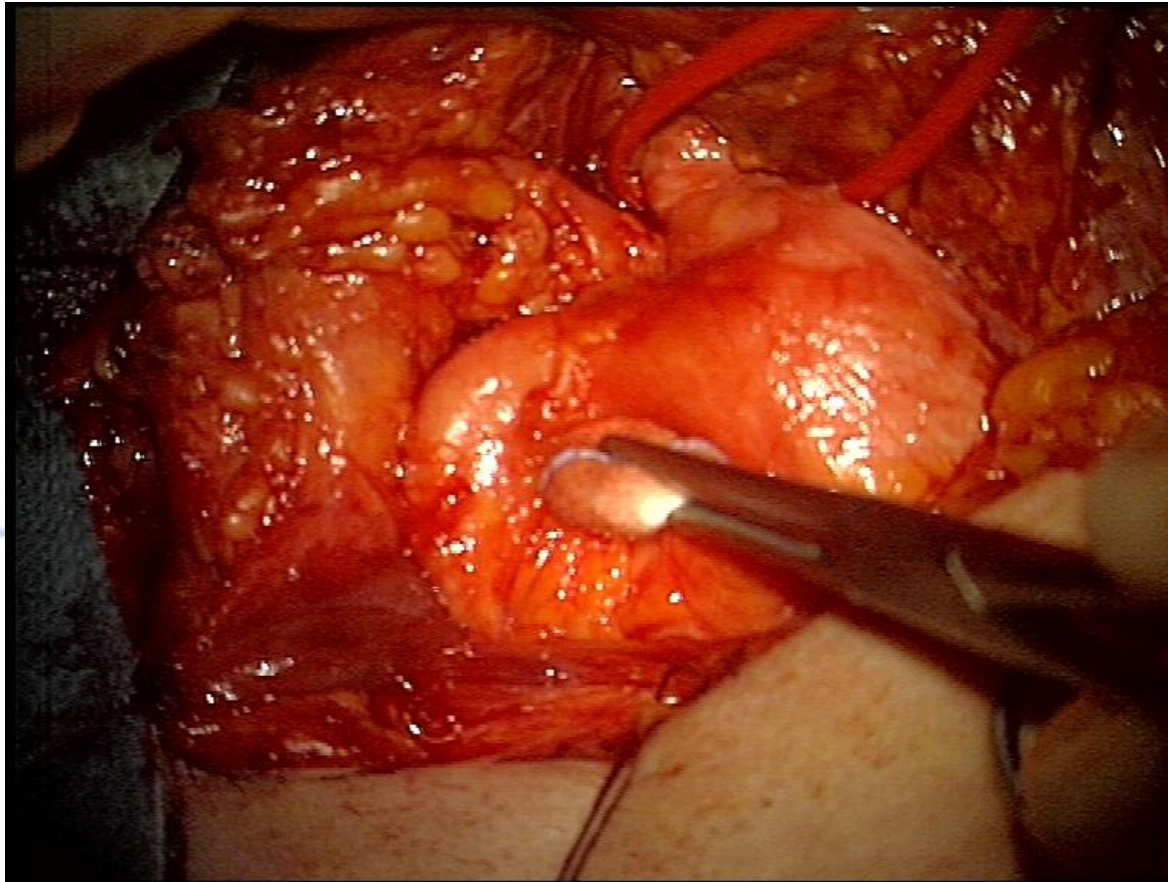
ediTec



MediTec Project Number:585980-EPP- 1-2017- 1-DE- CBHE-JP

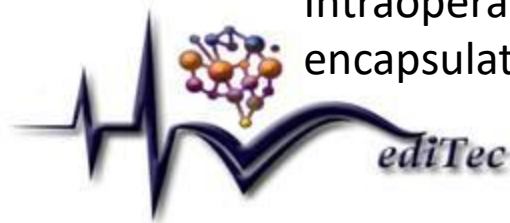


Co-funded by the
Erasmus+ Programme
of the European Union



ediTec

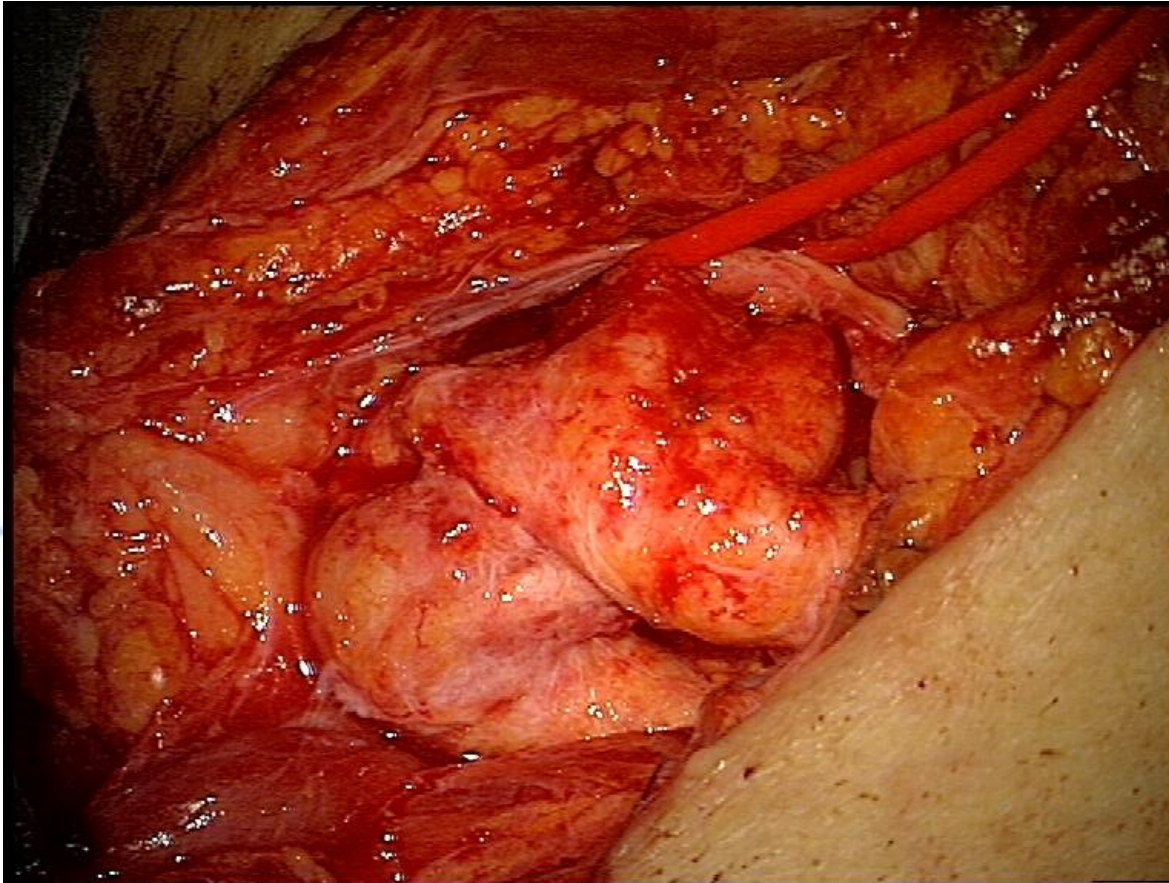
Intraoperative microscopic photographs demonstrate the extraneural,
encapsulated lipoma



MediTec Project Number:585980-EPP- 1-2017- 1-DE- CBHE-JP



Co-funded by the
Erasmus+ Programme
of the European Union



ediTec

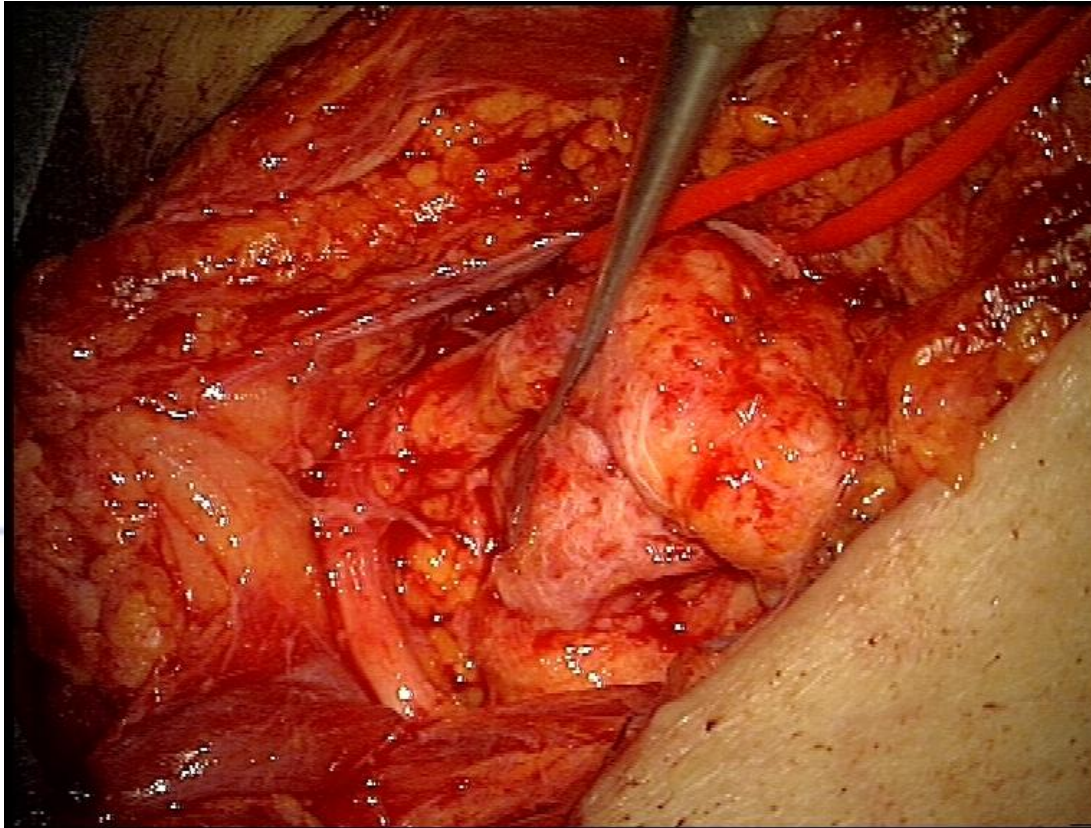
Intraoperative microscopic photographs demonstrate the massively enlarged, redundant, and fibrotic elements of the brachial plexus.



MediTec Project Number:585980-EPP- 1-2017- 1-DE- CBHE-JP



Co-funded by the
Erasmus+ Programme
of the European Union



ediTec

Intraoperative microscopic photographs demonstrate the fascicle after laborious microsurgical decompression



MediTec Project Number:585980-EPP- 1-2017- 1-DE- CBHE-JP



Postoperative the pain and hypoaesthesia were declining. There was also a subjective improvement of the claw hand but with renewed worsening after few months.

Histology:

Fibrolipomatous tissue structures with embedded vessels. The connective tissue shows some degenerative changes and high in reticulin fibers.

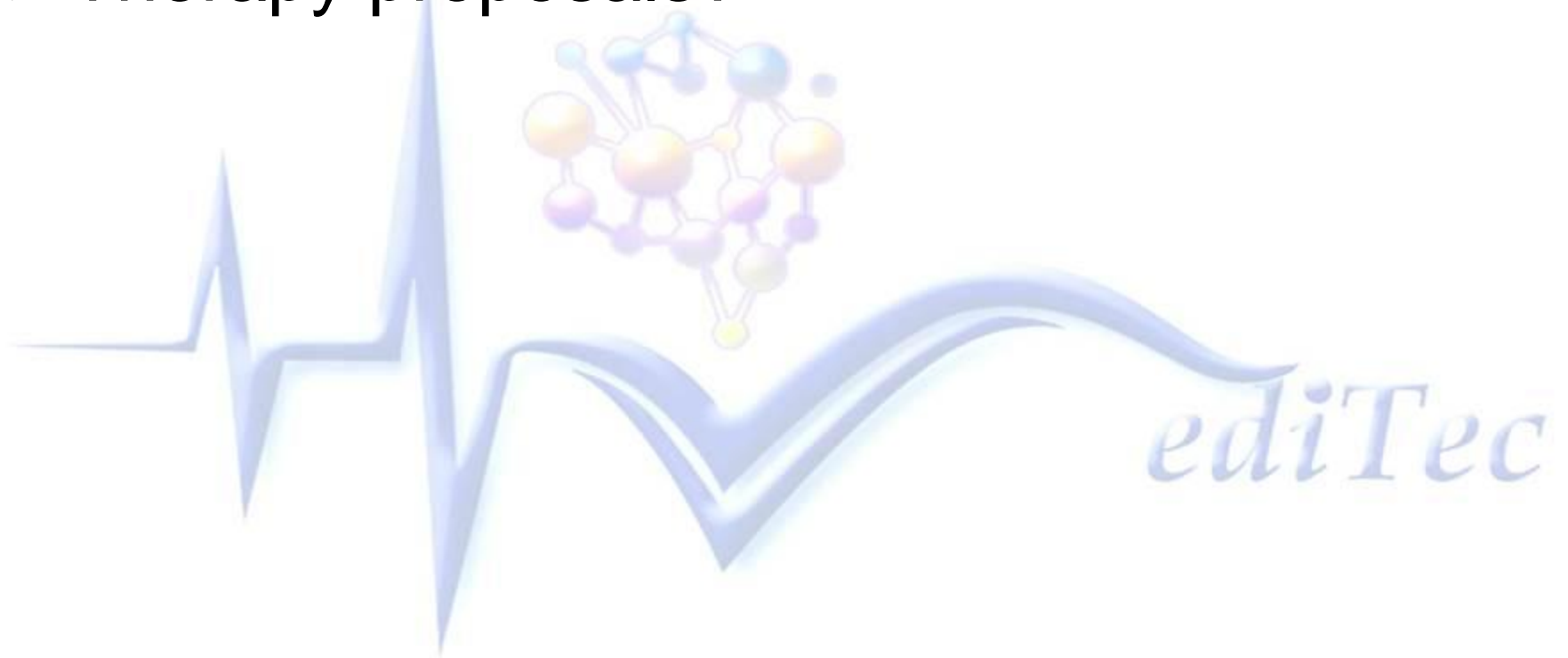
Partially dilated vascular structures, the vessel walls of which have in part caliber fluctuations. Smaller perivascular accentuated lymphomonocytic infiltrates. Lipomatous hyperplasia?





Co-funded by the
Erasmus+ Programme
of the European Union

- Similar cases?
- Therapy proposals?





Co-funded by the
Erasmus+ Programme
of the European Union

Thank you for your attention

ediTec



MediTec Project Number:585980-EPP- 1-2017- 1-DE- CBHE-JP