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Multi-compartment Biopsy Syringe

Technology ID
20180232

Category
Life Sciences/Medical Devices

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Independent compartments; hand pump for expelling

Collect multiple samples in independent chambers using a novel multi-compartment syringe designed for fine needle aspiration (FNA) for lymph node and nodule/mass biopsies. The design features independent compartments within the syringe and a hand pump mechanism to expel contents of each chamber independently. This device eliminates the need for multiple syringes during a single procedure. It is envisioned to be an add-on to commercially available FNA needles.

More efficient and ergonomic

At present, EBUS and EUS procedures require three separate syringes, which is both time consuming and inefficient. This new device fits current FNA needles used for these procedures and offers a more efficient and ergonomic means of collecting and expelling needle contents.

Phase of Development

- Prototype developed.

Benefits

- Reduces number of syringes required for nodule/mass biopsy procedure
- More efficient biopsy procedures

Features

- Multi-compartment syringe features independent compartments
- Hand pump expels syringe contents
- Fits current FNA needles

Applications

- Biopsy
- Fine needle aspiration (FNA)
- Endobronchial ultrasound (EBUS)
- Endoscopic ultrasound (EUS)
- Procedures involving aspirating and expelling contents

Researchers

Roy Cho, MD, MHA
Assistant Professor of Medicine
External Link (www.dom.umn.edu)
Felix Landaeta, M.Sc
Innovation Fellow, Earl E. Bakken Medical Devices Center
External Link (www.mdc.umn.edu)
Matthew Kudek, MD

Innovation Fellow, Earl E. Bakken Medical Devices Center
External Link (www.mdc.umn.edu)

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