

**Spirometer / Respirometer**

**Pneumotachograph**

. . . .

. microphone

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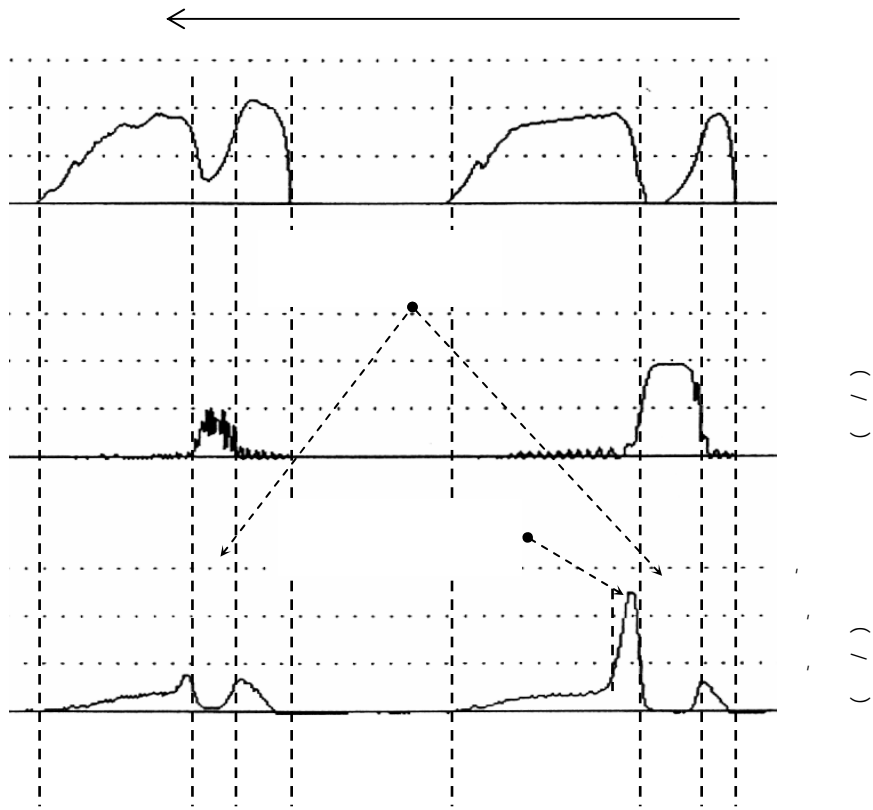
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# Laryngoscope

fiber-optic laryngoscope

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**Electromyograph (EMG)**

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electrode ( )

**X Ray**

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microbeam-X ray

. tomography

### **Electropalatogrph**

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palatograph

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coarticulation

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**Electrolaryngograph**

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. intonation stress

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. thyroid cartilages

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**Oscilloscope**

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**Spectrograph**

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computerized

hardware

software

digital

computerized

linear

LPC

( ) LPC

( )

spectrograph

productive coding

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vowels

:

Formant 1

Formant 2

consonants

. stops

. fricatives

IBM PC AT

IBM

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speech

. concatenated speech synthesizer

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synthesizer

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