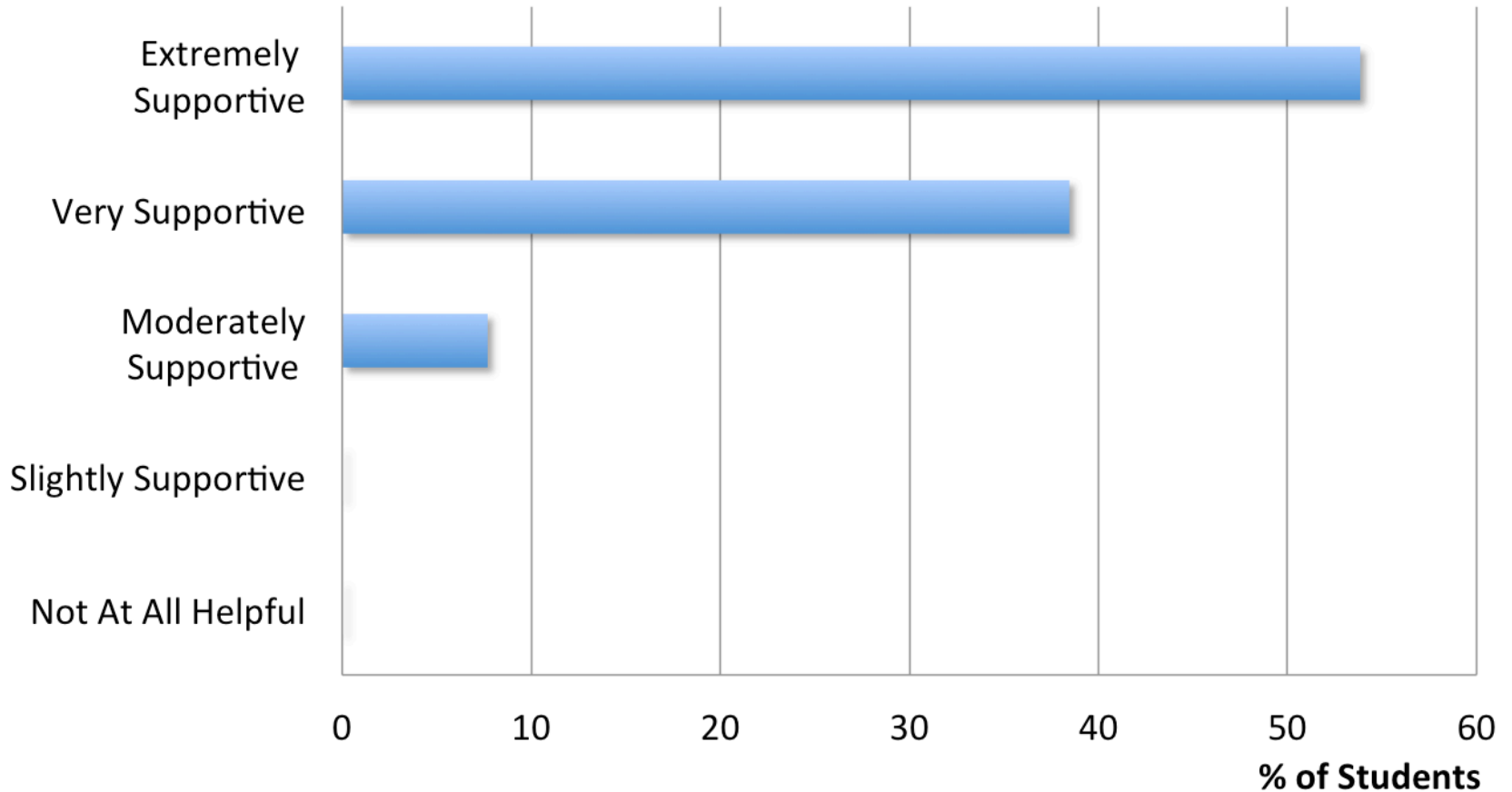# Tuesday Meeting
Virtual Microscope

2012 - 2013

- feedback from students at end of course
- 39 of 58 students - response rate: 67%
- liked:
    - high quality of the images (36%)
    - zooming in easily (36%)
    - navigation around the slides (15%)
    - access slides from home/anywhere (18%)
    - mapping of slides to practical sessions (10%)
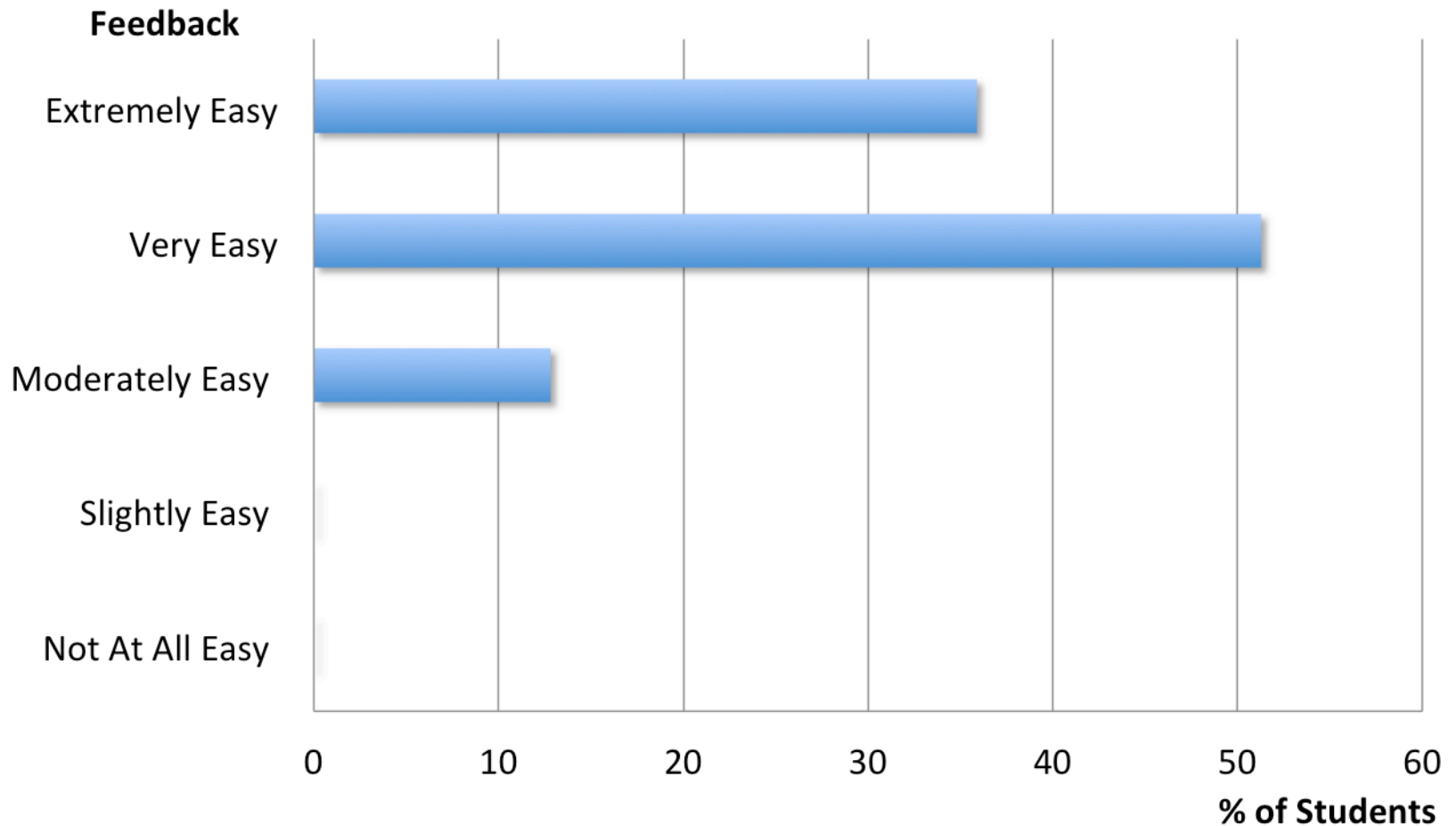   - revise easily (10%)

Supportive of Learning

How supportive was the tool for your learning?

Ease of Use

How easy was it to access and use the virtual microscope?

Comments

2) What were the aspects of using the tool that you liked?

VERY GOOD QUALITY IMAGES
EASY TO CATCH UP ON WORK
ACCESS TO IMAGES USED IN PRACTICALS INSTEAD OF
TRYING TO FIND IT ONLINE / IN TEXTBOOK

RFEs

- found frustrating
  - automatic logout time was too short (10 mins) (46%)
  - speed of loading, navigating around and zooming in (25%)
  - general slowness (13%)
  - wanted slide names in the viewer windows (28%)
  - no level of magnification shown e.g. 10x, 20x etc. (20%).
  - need descriptions/labels/information on slides (28%)
  - can't find Firefox on campus computers
  - slow connections from the library computers

Paul Felts

- easier access to the correct course via group-user menu
- include Medicine and Dentistry courses
- easier and quicker upload for him
- better performance for students

2013-2014

- new version using Version 5 beta
- import script to load most of the data
- re-designed group menu system
- customised version of "Getting Started" training material for students
- will repeat feedback exercise at end of year

Limitations

- **Import image As** not available for group owner
- **Duplicating** images used in a different context (deep copy)
- **Statistics** limited information

Detailed Feedback from Student

- only use the Virtual Microscope at home
- not allowed to use devices in lab
- 50-50 split between tablets and laptops
- very useful for supportive learning (partially sighted)
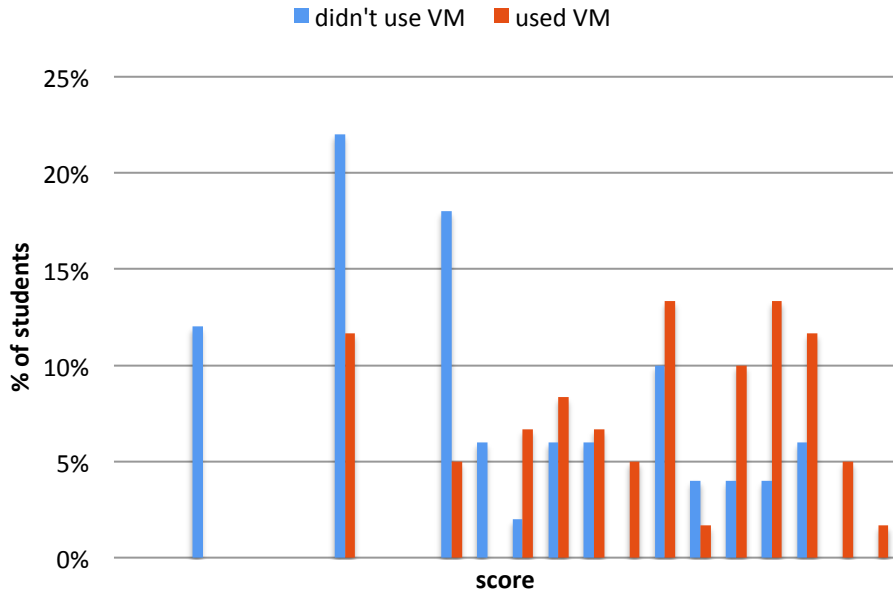
Detailed Feedback from Student

RFEs:

- scale and magnification more microscope-like

- want to be able to add ROIs and arrows/ markers & save them

- full-screen

- pop-up "Getting Started" tutorial on first login (and available later if needed)

Statistics

	Students	Populations	Logins	Session Duration [hours]	Practical test aggregation score	Final exam aggregation score	Final module aggregation score	Score 16 or more [No. of students]		Score 15 or less [No.of students]	
Anatomy	didn't use VM	50	0.00	0.00	10.18	15.02	14.56	9	18%	41	82%
	use VM	60	2.42	6.45	14.38	17.62	17.15	26	43%	34	57%
					29%	15%	15%	65%		17%	
Histology	didn't use VM	21	8.71	19.05	15.24	15.76	15.95	11	52%	10	48%
	use VM	21	17.29	6.52	17.43	18.33	18.14	16	76%	5	24%
					13%	14%	12%	31%		50%	

Anatomy

Histology