Computer Assisted Surgical Anatomy Mapping

Applications in surgical anatomy research,
tailor-made surgery and personalized teaching.

1) Images in medical research need to be treated as data. (this thesis)

2) CASAM is a reliable method for mapping and comparing complex anatomy of multiple specimens. (this thesis)

3) Creating comprehensible renditions from large anatomy data sets allows for small but effective changes to existing guidelines in surgery (this thesis)

4) Not years of experience, procedures per year or surgical specialty determines consistency and accuracy in incision placement for a lateral approach of the calcaneus. (this thesis)

5) The web-based version of CASAM is the basis for future international collaboration in 3D anatomy research, personalized teaching and tailor made surgery (this thesis)

6) Those who have dissected or inspected many (bodies) have at least learnt to doubt; while others who are ignorant of anatomy ... are in no doubt at all. (Giovanni Battista Morgagni)

7) The whole aim of comparative anatomy is to discover what structures are homologous. (Libbie Henrietta Hyman)

8) The drawing shows me at one glance what might be spread over ten pages in a book. (Bazarov in. Fathers and Sons by Turgenev, Ivan)

9) Institutions will try to preserve the problem to which they are the solution. (Clay Shirky)

10) There is no greater virtue than to teach the many what you have been blessed to learn from a few. (derived from Duncan McGrouther)

11) Ancora imparo. (I am still learning). (Michelangelo at age 87)