

iPhone® or smartphone support diagnosis in internal medicine

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Smartphones and iPhones® or iPads®, are frequently used for the diagnosis of atrial fibrillation,¹ to promote physical activity,² to consult smart experts about musculoskeletal trauma,³ or for mobile teledermatology.⁴ In patients suffering from internal complicated diseases frequently of difficult diagnosis, such as vasculites, Henoch-Shönlein purpura, Still's disease, or Raynaud phenomenon the fleeting lesions often makes it impossible to orient the diagnosis and therapeutic work up. In fact patients going to the doctor who show some skin lesions are often fleeting and therefore clinically difficult to define. I would bring experience and photos taken by a patient suffering in this case from Still's disease, vasculitis, purpura of Henoch-Shönlein in a case of figurative allergic urticaria, which would not have been diagnosed in the absence of these pictures. Health technology assessments will substantially change the clinical diagnostic and organizational approach of health assistance, contributing significantly to improve clinical diagnostics and therapeutics. An example of allergic hives disappeared just after a few hours. In the picture was reported a case of allergic urticaria, which disappeared after few hours as soon as the patient was admitted to the Internal Medicine Department (Figure 1).

Finally, these tools can significantly increase appropriateness, reducing the clinical risks in the medical practice.



Figure 1. A case of allergic urticaria, which disappeared after few hours as soon as the patient was admitted to the Internal Medicine Department.

References

1. Lee J, Reyes BA, McManus DD, et al. Atrial fibrillation detection using a smart phone. *Conf Proc IEEE Eng Med Biol Soc* 2012;1177-80.
2. Glynn LG, Hayes PS, Casey M, et al. Smart move-a smartphone-based intervention to promote physical activity in primary care: study protocol for a randomized controlled trial. *Trials* 2013;14:157.
3. Naqui GA, Daly M, Dawood A, et al. Smart consultation for musculoskeletal trauma: accuracy of using smart phones for fracture diagnosis. *Surgeon* 2014;12:32-4.
4. Kaliyadan F, Amin TT, Kuruvilla J, Ali WH. Mobile teledermatology-patient satisfaction, diagnostic and management concordance, and factors affecting patient refusal to participate in Saudi Arabia. *J Telemed Telcare* 2013;19:315-9.

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Key words: Editorials; iPhone®; smartphone.

Received for publication: 8 May 2014.
Accepted for publication: 9 May 2014.

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Italian Journal of Medicine 2015; 9:93
doi:10.4081/ijm.2015.513