

## CORRECTION

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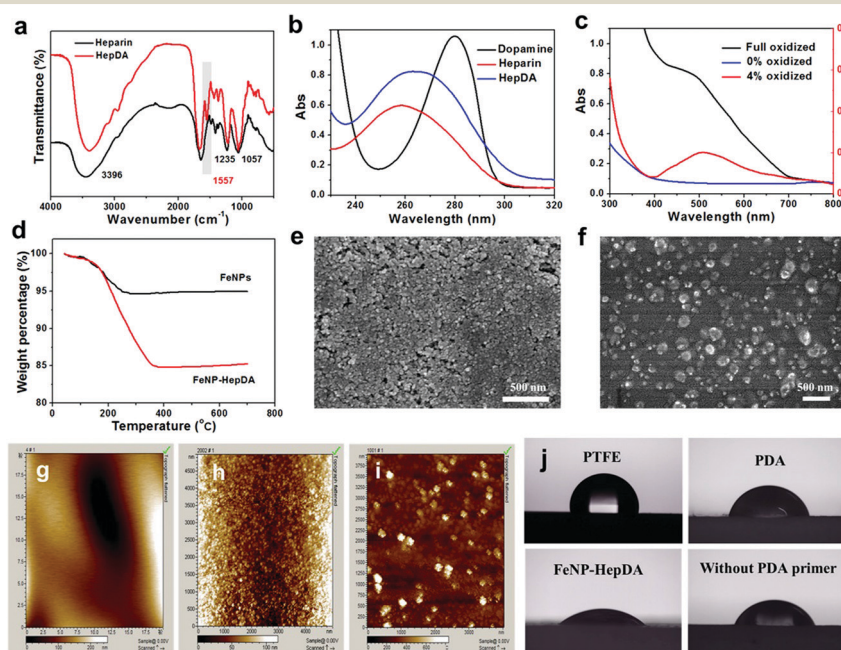
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## Correction: A smart indwelling needle with on-demand switchable anticoagulant and hemostatic activities

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Correction for 'A smart indwelling needle with on-demand switchable anticoagulant and hemostatic activities' by Yuanhao Wu *et al.*, *Mater. Horiz.*, 2020, DOI: 10.1039/c9mh01619h.

The authors regret that in the originally published manuscript, the wrong image of the PDA contact angle was used in Fig. 2j. The correct version of Fig. 2 is shown below.



**Fig. 2** Physicochemical characteristics of HepDA-coated magnetic nanoparticles and catechol-conjugated chitosan. (a) The FT-IR spectra of dopamine-conjugated heparin. (b) UV-vis absorption spectra of DA, Hep, and HepDA. (c) UV-vis spectra of a CHCS solution with full oxidation (black), partial oxidation by incubation at 4 °C for three days (red), and no oxidation (blue). (d) TGA curves recorded for polylysine-functionalized FeNPs (black) and FeNP-HepDA (red). The content of polylysine and HepDA in FeNP-HepDA could be calculated by the weight loss from 200 °C to 700 °C. (e and f) SEM images of FeNPs (e) and FeNP-HepDA (f). The morphology and size before and after coating with HepDA on FeNPs were visually observed. Surface immobilization of FeNP-HepDA on PTFE substrate. (g–i) AFM images showing the morphology of various FeNP-HepDA nanoparticle-immobilized surfaces. The bare PTFE substrate (g) was chosen as the blank control. PDA was first coated on PTFE by immersion in alkaline solution for 12 h at room temperature and then, FeNP-HepDA was immobilized onto the PDA-coated PTFE in the presence (h) and absence (i) of a magnetic field. (j) Water contact angles on PTFE, PDA-coated PTFE, FeNP-HepDA-coated PTFE, and PTFE immobilized with FeNP-HepDA without PDA primer.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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