Erratum to: An approach to the symbolic representation of brain arteriovenous malformations for management and treatment planning

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The originally published article contained the following two table errors that the authors failed to correct during proof production:

- in table 1 the 13th symbol representing a re-canalised vessel is missing,
- in table 1 the first annotation and its description should not finish at “was particularly difficult: “*” ” but at “Onyx-34”. This error led to a blank cell in the table.

The corrected table is shown on the following page.

The online version of the original article can be found at <http://dx.doi.org/10.1007/s00234-013-1307-x>.

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Symbol	Description	Annotation	Description
	Arterial feeder / venous feeder: untreated.		Arterial feeder Left: label for the artery: "A" + number, with optional rating of size: • "S", small: the maximum outer diameter of the microcatheter in use <2mm. • "M", medium: maximum catheter diameter 2-4mm • "L", large: maximum catheter diameter >4mm Above: indicator that insertion of a catheter is likely to be / was particularly difficult: "*" Below: if the vessel has been embolized, the material type - indicated by a letter: "G" for glubran, and "O" for Onyx (the letters can be adopted for the specific materials used at the local institution.), and the viscosity of the material - indicated by a number. In the example shown, O 34 = Onyx-34.
	Arterial feeder / venous feeder: embolized.		Venous feeder Right: the label of the vein. ("V" + number)
	Abnormal supply vessel. A comment regarding the nature of the abnormality (e.g. ectatic) to be provided.*		Vascular connection Above: Diameter ("Ø" + number) in mm Below: Length ("→" + number) in mm, defined as the distance between the most distal branch of its arterial or venous feeder, and the point at which the feeder reaches the threshold of the nidus. *
	Nidal compartment: untreated.		Compartment Above: label of the compartment ("C" + number).
	Nidal compartment: partially embolized.		Aneurysm Above: label of the aneurysm ("An" + number). A comment should be included with the diagram to indicate the location of remote aneurysms in overall brain vasculature.
	Nidal compartment: fully embolized.		To indicate uncertainty related to a component or parameter of the diagram. A note should be included with the diagram to describe the nature of the uncertainty.
	Vascular connection between a nidal compartment and an arterial or venous feeder, between nidal compartments, or a fistula: untreated. If a new vessel appears between treatment stages then a new line is added to represent this.	* symbol added or modified following a survey radiologists based training exercise with initial vocabulary (those symbols not marked with an asterisk).	
	Vascular connection with an increased flow rate after embolization.		
	Vascular connection with decreased flow rate after embolization.		
	Stenosis in a supply vessel *		
	Vascular connection with no blood flow after embolization of the vessel or of a connected compartment.		
	Connecting vessel blocked with embolic material in combination with a coil.		
	Recanalisation occurring in a previously blocked supply vessel.*		
	Arterial or venous pedicle aneurysm: untreated. Overlaid on relevant vascular section. Remote aneurysms are represented next to the diagram.		
	Arterial or venous pedicle aneurysm: treated. *		
	Aneurysm at the junction of two pedicles: untreated. A dotted circle is used for a treated aneurysm.		
	Nidal aneurysms (here two) shown together with the associated nidal compartment.		
	Indicator of flow direction between linked compartments when there is ambiguity. Otherwise a straight line is used.		
	This symbols shows that the two compartments linked with this connector are in haemodynamic balance i.e. blood can flow in between them but pressures are such that no flow is visible at current treatment stage.		
	Site of haemorrhage - added to the vessel, aneurysm or compartment where this occurred.		
	Leakage of embolic material into the vein.		
	Indicator arrow pointing at an aneurysm, pedicle or compartment responsible for symptoms.*		

Table 1 Symbols and annotations for the diagrammatic representation of an AVM and its embolization. Symbols marked with an asterisk at the end of the symbol were added or modified following the results of a survey based on the unmarked symbols