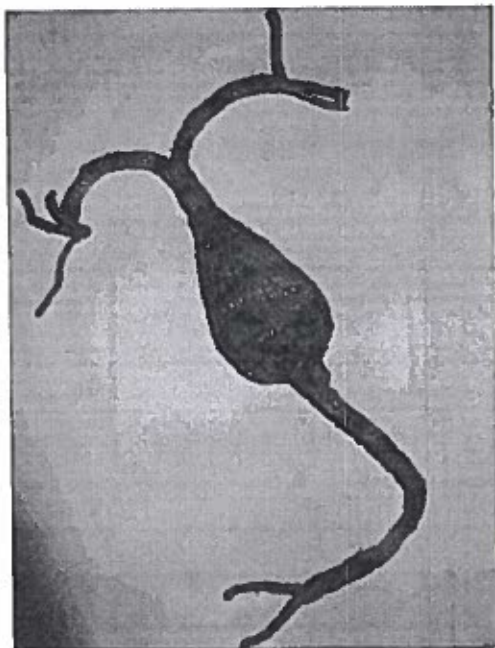


Knit a Neuron

Welcome to the Knit a Neuron blog. Here you can find out all about the project and who's behind it, along with knitting and crochet patterns.

Wednesday, 24 February 2010

4 needle with i-cord axons



Use 4 double-ended needles. Start at the top and work down and round the cell body like a sock, tapering down to a point where the axon joins on to the cell body. Stitch in your axon, stuff and close off the body, and add your dendrites.

Abbreviations:
 DPN: double pointed needle
 St: stitch
 KFB: knit into front and back of the st = increase
 AXON

First make your axon. Cast on 3 stitches onto a DPN. Slide the stitches to the other end and knit from the start. Do this at the end of every row and the piece will curl round on itself, looking like French knitting. Continue until you have made a length of i-cord ~10-15cm long.

CELL BODY

next row: KFB 3 times (6 st) then place 2 st on each of 2 new DPN - continue working in the round, using 4 DPN

Round 1: KFB, K1 3 times (9 st)

Round 2: KFB, K2 3 times (12 st)

Round 3: KFB, K3 3 times (15 st)

Round 4: K1, M1 for all three needles (3 x 10st = 30st)

Rounds 5-8: K

Rounds 9 onwards: Start to stuff the cell body with toy stuffing as you go

Decrease stitches by reducing by one stitch every other needle as follows:

needle 1: K2 tog, K8 (9st); needle 2; K (10st); needle 3: K2 tog, K8 (9st)

needle 1: K9 (9st); needle 2; K2 tog, K8 (9st); needle 3: K9 (9st)

needle 1: K2 tog, K7 (8st); needle 2; K9 (9st); needle 3: K2 tog, K7 (8st)

needle 1: K8 (8st); needle 2; K2 tog, K7 (8st); needle 3: K8 (8st)

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4 needle with i-cord axons

**Science Cafe - 2 March,
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Science Cafe - the aftermath

**More interest in woolly
neurons**

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needle 1: K2 tog, K6 (7st); needle 2; K8 (8st); needle 3: K2 tog, K6 (7st)continue until
 needle 1: K3 (3st); needle 2; K2 tog, K2 (3st); needle 3: K3 (3st)
 needle 1: K2 tog, K1 (2st); needle 2; K2 tog, K1 (2st); needle 3: K2 tog, K1 (2st)
 Congratulations – you’ve reached the top of the axon!

DENDRITES

Next round: K2 tog 3 times, leaving 3 st
 Place these 3 st on a single needle
 Continue knitting an i-cord as before, until you reach the desired length.
 To make more than one dendrite, you can split the original 6st in half, working 3 on 1 needle and 3 on another to give 2 dendrites. Alternatively, pick up and K 3 st from anywhere on the cell body, then continue to knit as i-cords.

For the ends of the i-cords, you can sew in the loose end of yarn or, as I have done in the picture below, you could thread in a short piece of yarn and knot it over the end of the i-cord to give extra dendritic projections.
 Thanks to Caroline for this new version!

*Posted by **Helen Featherstone** at **04:56***

1 COMMENT:

Kitsch and Curious Elaine 24 March 2010 at 17:11

I just wrote a post about your project for Ada Lovelace Day. I hope you don't mind me using one of your photos!
<http://kitschandcurious.blogspot.com/2010/03/knit-neuron.html>

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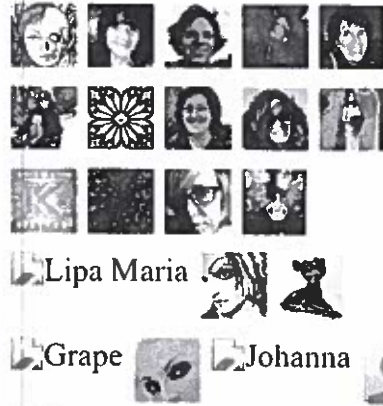
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